



## ILLINOIS COMMERCE COMMISSION

---

December 14, 2005

City of Chicago, Cook County, Illinois  
Petitioner,

Vs.

Union Pacific Railroad Company, Norfolk Southern Railway Company and Belt  
Railway Company of Chicago  
Respondents.

Petition for authorization for grade crossing viaduct reconstruction as part of  
the City of Chicago – ICC vertical clearance improvement program on 87<sup>th</sup>  
Street in the City of Chicago, County of Cook, Illinois.

Mr. Jack Pace  
Assistant Corporation Counsel  
City of Chicago  
30 North LaSalle Street, Suite 900  
Chicago, IL 60602-2580

Dear Mr. Pace:

Receipt is acknowledged of the original and three (3) copies of the Petition filed December 13, 2005 in the above matter.

**All future correspondence/pleadings should be filed with an original and two (2) copies and addressed to: Mr. Dave Lazarides, Acting Director of Processing, Illinois Commerce Commission, 527 East Capitol Avenue, Springfield, IL 62701 or you may file the original electronically through E-docket if you have an account. To apply for an account, please log on to [www.icc.state.il.us](http://www.icc.state.il.us) and apply for an E-docket account.**

Processing and Information Section

KI

Cc: Mr. Mack Shumate, Jr., UP  
CT Corporation System, UP  
Mr. Dave McKernan, UP  
Mr. Thomas W. Ambler, NS  
Mr. Richard E. Boyle, NS  
Mr. Rick Ray, NS  
Mr. Timothy Coffey, Belt Railway Company of Chicago  
Ms. Alaina Bridges, City of Chicago – DOT

**ORIGINAL**

**RECEIVED**  
DEC 13 2005

**STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION**

**Illinois Commerce Commission  
RAIL SAFETY SECTION**

Petition for authorization for grade crossing viaduct  
reconstruction as part of the City of Chicago - ICC  
vertical clearance improvement program on 87<sup>th</sup> Street  
in the city of Chicago, County of Cook, Illinois )  
)  
)  
)

705-0065

**PETITION**

Now comes the City of Chicago ("City"), by and through its attorney, Mara S. Georges, Corporation Counsel, and petitions for authorization to reconstruct certain railroad viaducts as part of the City of Chicago - ICC vertical clearance improvement program on 87<sup>th</sup> Street in the city of Chicago, County of Cook, Illinois. In support of its Petition, the City states the following:

1. Eighty-seventh Street is an east-west arterial highway in the city of Chicago. As part of the City - ICC vertical clearance improvement program, the City intends to reconstruct a portion of 87<sup>th</sup> Street approximately 1900 feet in length, lowering the pavement grade of the highway.
2. Within the overall reconstruction project footprint, three viaducts span over 87<sup>th</sup> Street containing railroad tracks of the Union Pacific, Norfolk Southern and Main Belt Railroads. The reconstruction project will start at a point app. 200 feet west of the viaduct owned by the Union Pacific and extend east from that starting point app. 1900 feet.
3. The westernmost viaduct, DOT No. 867203B, is owned by the Union Pacific Railroad ("UPRR") and it is currently within the jurisdiction of the Illinois Department of Transportation ("IDOT"). IDOT and Cook County are in the process of formally

**DOCKETED**  
DEC 14 2005

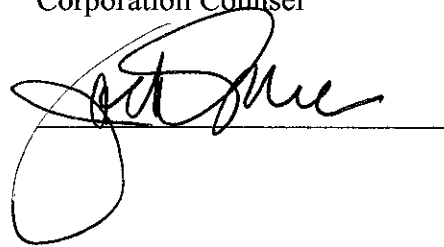
finalizing an agreement to transfer jurisdiction from IDOT to Cook County. The UPRR will be raising the current vertical clearance of the viaduct from 12' 8" to a minimum clearance of 14' 6". The reconstruction project will retain this new minimum clearance. The next viaduct to the east of the UPRR viaduct is a viaduct owned by the Norfolk Southern Railway and it is currently within the jurisdiction of the Illinois Department of Transportation ("IDOT"). IDOT and Cook County are in the process of formally finalizing an agreement to transfer jurisdiction from IDOT to Cook County. It has a current vertical clearance of approximately 23' 8" and this clearance will not be materially altered by the City's reconstruction project. The next viaduct to the east, DOT No. 843844P, is owned by the Main Belt Railroad and is currently within the jurisdiction of Cook County. This viaduct has a current vertical clearance of 13' 0" and the City's pavement reconstruction project will lower the pavement resulting in a minimum clearance of 14' 6". Attached as Group Exhibit A are design specifications as prepared by HDR , Inc. in conjunction with the Chicago Department of Transportation.

4. The City of Chicago requests that the Illinois Commerce Commission waive its vertical clearance requirements of 92 I.A.C. 1500 in that the vertical clearances of the viaducts at issue will be increased but will not meet the ICC's minimum clearance requirements..
5. The current estimated cost of the project is \$4,877,742.00. The City requests that \$2,029,800 or 41.61% of the total cost be paid out of the Grade Crossing Protection Fund of the Motor Fuel Tax Law. The remaining \$2,847,942 of the project cost would be paid by Cook County. Each of the railroads would remain responsible for all future maintenance obligations of their respective viaduct.
6. The City of Chicago requests expedited review of this petition and an order issued before

January 31, 2005. The current plan is to advertise for construction bids on February 1, 2006, with construction scheduled to start April 1, 2006 and for construction to be completed by September 30, 2007. The City of Chicago requests that an order be issued without hearing, but in the event a hearing is required, the City of Chicago respectfully requests that the hearing be held in Chicago, Illinois.

WHEREFORE, THE CITY OF CHICAGO prays that the Illinois Commerce Commission conduct an expedited review of this Petition and enter an Order approving the viaduct reconstruction projects as part of the vertical clearance improvement program and approve the funding requested from the Grade Crossing Protection Fund of the Motor Fuel Tax Law no later than January 31, 2006 as provided in this Petition. The City of Chicago further requests that the Order be granted without a hearing, but in the event a hearing is required, that the hearing be held in Chicago, Illinois.

Respectfully submitted,  
**CITY OF CHICAGO**  
Mara S. Georges  
Corporation Counsel

A handwritten signature in black ink, appearing to read 'Mara S. Georges', is written over a horizontal line.

Jack A. Pace  
Senior Counsel  
City of Chicago  
Department of Law  
30 N. La Salle Street  
Suite 900  
Chicago, Illinois 60602  
312-744-6997

**STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION**

Petition for authorization for grade crossing viaduct )  
reconstruction as part of a vertical clearance improvement program )  
on 87<sup>th</sup> Street in the city of Chicago, County of Cook, Illinois ) :

**NOTICE OF FILING**

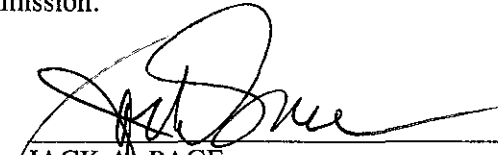
TO: SEE ATTACHED SERVICE LIST

PLEASE TAKE NOTICE THAT ON THIS DATE I caused to be mailed to the Illinois Commerce Commission, 527 East Capitol Avenue, P.O. Box 19280, Springfield, Illinois 62794-9280, by Federal Express, the original and three (3) copies of the City of Chicago's Petition for authorization for grade crossing viaduct reconstruction as part of a vertical clearance improvement program on 87<sup>th</sup> Street in the city of Chicago, County of Cook, Illinois.

Dated: December 12, 2005

**CERTIFICATE OF SERVICE**

I, JACK A. PACE, an attorney, hereby certify that a copy of the foregoing Petition for authorization for grade crossing viaduct reconstruction as part of a vertical clearance improvement program on 87<sup>th</sup> Street in the city of Chicago, County of Cook, Illinois. was served upon the party or parties listed on the attached service list, by hand delivery, facsimile or by first class mail, postage prepaid, from Suite 900, 30 North La Salle Street, Chicago, Illinois 60602, in accordance with the Rules of Practice of the Illinois Commerce Commission.

  
\_\_\_\_\_  
JACK A. PACE  
Senior Counsel  
30 North La Salle Street, Suite 900  
Chicago, IL 60602 (312) 744-6997

## Service List

Randall D. Smith  
Assistant Chief Engineer  
The Belt Railway Company of Chicago  
6900 S. Central Avenue  
Bedford Park, Illinois 60638

Gary Wilwerding  
Union Pacific Railroad  
301 W. Lake Street  
Northlake, Illinois 60164

Tom Bracey  
Senior Engineer Public Improvements  
Norfolk Southern Corporation  
1200 Peachtree Street  
Atlanta, Georgia 30309

Christopher C. Synder  
Transportation and Planning Bureau Chief  
Cook County Highway Department  
69 West Washington Street, Room 2345  
Chicago, Illinois 60602

Brian Vercruysse  
Illinois Commerce Commission  
527 East Capitol Avenue  
Springfield, Illinois 62794-9280

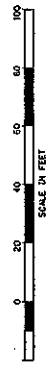
# STANDARD SYMBOLS

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- WATER DISTRIBUTION
- PEOPLES GAS LIGHT AND COKE
- CITY ELECTRIC
- COMMONWEALTH Edison
- S&K TELEPHONE
- TELEPHONE CABLE
- PROPOSED SEWER

- FIRE HYDRANT, EXISTING
- LIGHT STAND, EXISTING
- BUFFALO BOIL WATER
- POWER POLE, EXISTING
- TRAFFIC SIGNAL, EXISTING
- TRAFFIC SIGNAL, MOUNTED ON LIGHT STAND
- STREET LIGHT, EXISTING
- STREET LIGHT, PROPOSED
- INLET, EXISTING
- INLET, PROPOSED
- CATCH BASIN, EXISTING
- CATCH BASIN, PROPOSED
- MANHOLE, EXISTING
- MANHOLE, PROPOSED
- WATER VALVE, EXISTING
- WATER VALVE, PROPOSED

- CITY ELECTRIC MANHOLE
- TELEPHONE TAP, EXISTING
- TELEPHONE TAP, PROPOSED
- REMOVABLE
- GEORGIA TREE, EXISTING WITH DIAMETER
- CONFIRMED TREE, EXISTING WITH DIAMETER
- BUSH OR SHrub, EXISTING
- PARKING METER
- SOIL BORING
- SIDEWALK RAMP FOR PEOPLE WITH DISABILITIES
- EXISTING ELEVATION
- PROPOSED ELEVATION
- SHADING OF FLOOR
- RECORD MARK
- ORDINANCE GRADE

ELEVATION AT TOP OF CURB AT POINT INDICATED  
ELEVATION OF FLOORING OF OUTLET AT POINT INDICATED  
FIGURE "100.16" INDICATES THE APPROXIMATE ELEVATION  
OF THE FLOORING OF THE EXISTING SEWER



PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL  
TELEPHONE DIALGAGE AT 302-744-7000 FOR  
UNDERGROUND UTILITY LOCATIONS.

ISSUED BY: DEPARTMENT OF PROCUREMENT SERVICES  
BARBARA LUMPKIN, CHIEF PROCUREMENT OFFICER

## CITY OF CHICAGO

RICHARD M. DALEY, MAYOR

### DEPARTMENT OF TRANSPORTATION

CHERI HERAMB, ACTING COMMISSIONER

### DIVISION OF ENGINEERING

BOB LOOMIS, P.E., DEPUTY COMMISSIONER

### CONTRACT PLANS FOR

### W. 87TH STREET

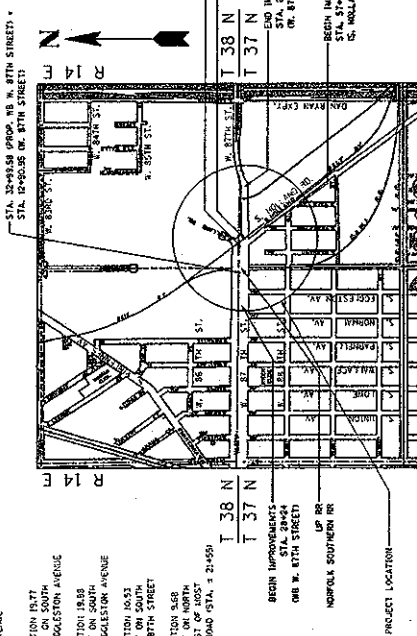
### VIADUCT CLEARANCE IMPROVEMENT

S. NORMAL AVENUE TO 1020' EAST OF S. HOLLAND ROAD  
NORFOLK SOUTHERN RR, UP RR AND MAIN BELT RR

C.D.O.T. PROJECT NO.: B-0-214  
SECTION NO.: 00-B0214-00-PV

### BENCH MARKS:

CITY BENCHMARK 31: ELEVATION 16.653  
EAST CORNER OF 87TH STREET AND  
WEST OF WEST LINE OF ECOLLESTON AVENUE  
TEMPORARY BENCHMARK 1: ELEVATION 16.77  
SET ON CHAIN BOLT ON FIRE HYDRANT ON SOUTH  
WEST CORNER OF 87TH STREET AND ECOLLESTON AVENUE  
TEMPORARY BENCHMARK 2: ELEVATION 16.88  
SET ON CHAIN BOLT ON FIRE HYDRANT ON SOUTH  
WEST CORNER OF 87TH STREET AND ECOLLESTON AVENUE  
TEMPORARY BENCHMARK 3: ELEVATION 16.53  
SET ON CHAIN BOLT ON FIRE HYDRANT ON SOUTH  
EAST CORNER OF HOLLAND ROAD AND 87TH STREET  
TEMPORARY BENCHMARK 4: ELEVATION 16.8  
SET ON CHAIN BOLT ON FIRE HYDRANT ON NORTH  
EAST CORNER OF 87TH STREET AND 1020' EAST  
EAST CORNER OF HOLLAND ROAD STA. = 24+50  
CURRENT ELEVATION OF HOLLAND ROAD STA. = 24+50



### PROJECT LOCATION MAP

NET LENGTH OF IMPROVEMENTS: 184.32 FEET (56.26 MILES) - W. 87TH STREET  
GROSS LENGTH OF IMPROVEMENTS: 184.32 FEET (56.26 MILES) - W. 87TH STREET  
GROSS LENGTH OF IMPROVEMENTS: 221.34 FEET (67.44 MILES) - S. HOLLAND ROAD (S. LEB)

GROUP  
EXHIBIT  
A



THESE PLANS COMPLY WITH THE  
CURRENT POLICY OF THE  
CITY OF CHICAGO TO FACILITATE THE  
MOBILITY OF PEOPLE WITH DISABILITIES

CITY OF CHICAGO  
DEPARTMENT OF TRANSPORTATION

DATE: \_\_\_\_\_ TO: \_\_\_\_\_

APPROVED: \_\_\_\_\_ PROJECT MANAGER

APPROVED: \_\_\_\_\_ PROJECT COORDINATOR

APPROVED: \_\_\_\_\_ COUNTY COMMISSIONER, DIVISION OF ENGINEERING

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, DIVISION OF INFRASTRUCTURE UPGRADES

APPROVED: \_\_\_\_\_ COMMISSIONER

CITY OF CHICAGO  
DEPARTMENT OF STREETS AND SANITATION

DATE: \_\_\_\_\_ TO: \_\_\_\_\_

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, BUREAU OF ELECTRICITY

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, BUREAU OF SANITATION

APPROVED: \_\_\_\_\_ COMMISSIONER

CITY OF CHICAGO  
DEPARTMENT OF WATER MANAGEMENT

DATE: \_\_\_\_\_ TO: \_\_\_\_\_

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, BUREAU OF ENGINEERING SERVICES

APPROVED: \_\_\_\_\_ COMMISSIONER

CITY OF CHICAGO  
OFFICE OF EMERGENCY MANAGEMENT  
AND COMMUNICATIONS

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, EMERGENCY MANAGEMENT

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, COMMUNICATIONS

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, EMERGENCY MANAGEMENT

APPROVED: \_\_\_\_\_ DEPUTY COMMISSIONER, COMMUNICATIONS

FOR THE  
CITY OF CHICAGO  
173-380-7360



SHEET NO	SHEET TITLE
C-01	COVER SHEET STANDARD SYMBOLS
C-02	INDEX OF SHEETS AND ABBREVIATIONS
C-03 - C-04	GENERAL NOTES
C-05	SUMMARY OF QUANTITIES
C-06 - C-07	HORIZONTAL ALIGNMENT
C-08 - C-09	HORIZONTAL ALIGNMENT THE SHEET DETOUR PLAN
C-10	EXISTING AND PROPOSED TYPICAL SECTIONS
C-11 - C-13	EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS
C-14 - C-15	EXISTING AND PROPOSED TYPICAL DRAINAGE PLAN AND PROFILE
C-16 - C-17	EXISTING AND PROPOSED TYPICAL PAVEMENT MARKING AND SIGN PLAN
C-18 - C-19	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
C-20 - C-21	EXISTING AND PROPOSED TYPICAL DETAIL DRAWINGS
C-22 - C-23	EXISTING AND PROPOSED TYPICAL PAVEMENT CORE LOGS
C-24 - C-25	EXISTING AND PROPOSED TYPICAL SOIL BORING LOGS
C-26 - C-27	EXISTING AND PROPOSED TYPICAL WATER MAIN PLANS
C-28 - C-29	EXISTING AND PROPOSED TYPICAL SANITARY MAIN PLANS
C-30 - C-31	EXISTING AND PROPOSED TYPICAL UTILITY MAIN PLANS
C-32 - C-33	EXISTING AND PROPOSED TYPICAL EROSION CONTROL PLANS
C-34 - C-35	EXISTING AND PROPOSED TYPICAL FLOOD CONTROL PLANS
C-36 - C-37	EXISTING AND PROPOSED TYPICAL LANDSCAPE PLANS
C-38 - C-39	EXISTING AND PROPOSED TYPICAL TRAIL PLANS
C-40 - C-41	EXISTING AND PROPOSED TYPICAL BRIDGE PLANS
C-42 - C-43	EXISTING AND PROPOSED TYPICAL TOWER PLANS
C-44 - C-45	EXISTING AND PROPOSED TYPICAL FENCE PLANS
C-46 - C-47	EXISTING AND PROPOSED TYPICAL LIGHTING PLANS
C-48 - C-49	EXISTING AND PROPOSED TYPICAL SIGN PLANS
C-50 - C-51	EXISTING AND PROPOSED TYPICAL TRAIL PLANS
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C-196 - C-197	EXISTING AND PROPOSED TYPICAL TRAIL PLANS
C-198	

[illegible]

PLATE	SECTION	COUNTRY	TOTAL SHEETS	SHEET NO.
	22-B212-CO-03	COGN	62	2
573.			70 574.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

REVISONS		87TH STREET AND S. HOLLAND ROAD	CITY OF CHICAGO
NO	BY DATE DESCRIPTION		
		INDEX OF DRAWINGS AND ABBREVIATIONS	DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING
			COSHA 1041
			<b>HDR</b> 4025 E. Springfield, Ill.
			SHEET NO.
			DRAWN BY: _____ CHECKED BY: _____ APPROVED BY: _____ DATE: 12/26/2008 DESIGNED BY: _____ RVS
			C-02





PAGE NO.	SECTION	COUNT	TOTAL SHEETS
10-6074-00-01		62	3

SIA. TO SFA.

SEC. 1001 HILL DR. BETHLEHEM, PA. 18015

CITY OF CHICAGO		DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING	
CROSSING NAME:		HBR		HBR Engineering, Inc.	
DRAWN BY:		CHECKED BY:		SHEET NO.	
DESIGNED BY:		MCM			
APPROVED BY:		LVA		C-03	
DATE:		12/20/2006			
SCALE:		N.T.S.			

## GENERAL NOTES

DIVISION  
**HDR**  
 CONSULTANT:  
 DRAFTER BY: MVT  
 CHECKED BY: MPR  
 APPROVED BY: LVA  
 DATE: 12/01/2005  
 SCALE: NTS  
 PROJECT NO.

3

1. ANY REFERENCE TO STANDARD SPECIFICATIONS THROUGHOUT THE PLANS OR SPECIFICATIONS SHALL BE INTERPRETED TO BE THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (DSBC) ADOPTED JANUARY 1, 1960, AND THE DOT SUPPLEMENTAL SPECIFICATIONS, ADOPTED MARCH 1, 1969.
2. ALL ELEVATIONS SHOWN ON THE PLANS REFER TO CHICAGO CITY DATUM WHICH IS 558.8 FEET ABOVE MEAN SEA LEVEL, 1929 ADJUSTMENT.
3. THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATION TO DETERMINE THE EXISTENCE, NATURE AND EXACT LOCATION OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENT.
4. THE CONTRACTOR SHALL PROTECT EXISTING AND NEW UTILITIES WHEN CONSIDERED NECESSARY BY THE COMMISSIONER, BY METHODS APPROVED BY THE COMMISSIONER, AND HE SHALL BRIDGE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT OR CHANGE TO THE UTILITIES, THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF THE ROAD DURING CONSTRUCTION OF THIS PROJECT.
6. THE ELECTRICAL AND WATER RELOCATIONS ARE TO BE DONE BY OTHERS.
7. THE UTILITY COMPANIES OR THEIR CONTRACTORS WILL PERFORM THE REQUIRED ADJUSTMENT TO THEIR UTILITIES.
8. THE CITY DOES NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS REGARDING UTILITIES, EITHER PUBLIC OR PRIVATE, SUCH AS SEWERS, MANHOLES, CATCH BASINS, GAS AND WATER MAINS, TELEPHONE AND ELECTRICAL DUCT LINES AND SIMILAR STRUCTURES. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES THAT MAY INTERFERE WITH CONSTRUCTION OPERATIONS AND SHALL REPORT TO THE COMMISSIONER ANY QUESTIONS AND DIFFERENCES FROM THE INFORMATION SHOWN ON THE PLANS. THE COST OF THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
9. PRIOR TO STARTING CONSTRUCTION AND INSPECTION OF EXISTING MANHOLES AND CATCH BASINS WILL BE MADE BY THE CITY AND THE CONTRACTOR TO DETERMINE THE AMOUNT OF EXISTING DEBRIS IN THESE STRUCTURES. UPON COMPLETION OF THIS INSPECTION, THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE STRUCTURES. ANY DEBRIS REMOVED DUE TO CONSTRUCTION, THIS WORK WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
10. ALL LIVE DRAINAGE SHALL BE RECONNECTED TO THE PROPOSED SEWER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, BUT SHALL BE PAID SEPARATELY. THE CONTRACT UNIT PRICE PER LINEAL FOOT OF THE SIZE AND TYPE OF SEWERS REQUIRED.
11. ALL UNDERGROUND SEWER WORK, INCLUDING, BUT NOT LIMITED TO STRUCTURE ADJUSTMENTS, MUST BE PERFORMED BY LICENSED DRAIN LAYER UNDER PERMITS AND INSPECTIONS OF THE DEPARTMENT OF WATER MANAGEMENT.
12. IN ACCORDANCE WITH ARTICLE II OF THE GENERAL CONDITIONS, THE CONTRACTOR SHALL SUBMIT A TIME SCHEDULE FOR THE CONSTRUCTION OF THIS PROJECT. THE SCHEDULE SHALL INCLUDE THE PERIOD OF TIME IN WHICH THE WORK ITEMS ARE TO BE COMPLETED. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR THE SEWERS, MANHOLES, AND CATCH BASINS, SIDEWALKS, ALLEYS AND DRIVEWAYS, ANY OF THE ITEMS REMOVED SHALL BE REPLACED IN THE SHORTEST PERIOD OF TIME AND, AT NO TIME, SHALL THEIR REPLACEMENTS EXCEED TEN (10) WORKING DAYS OR THE NUMBER OF WORKING DAYS GIVEN IN THE APPROVED PROJECT SCHEDULE. THE COST OF COMPLIANCE WITH THE REQUIREMENT SHALL BE IN ADDITION TO EACH RESPECTIVE PAY ITEM OR WORK.

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-8024-00-00		00-8024-00-00	62	2
STA.	TO STA.			

FED. ROAD DIST. IN ILLINOIS-FED. AID PROJECT

R. ALL PROPOSED INLETS SHALL  
AND LIDS USED SHALL MEET THE

157. ALL PROPOSED MANHOLELS SHALL BE OF THE TYPE AND DIMENSION SPECIFIED IN THE PLANS. ALL PROPOSED CATCH BASINS SHALL BE TYPE A, 4 FT. DIAMETER. ALL PROPOSED INLETS SHALL BE TYPE A, ALL MANHOLES, CATCH BASINS, INLETS, FRAMES, AND LIDS USED SHALL MEET THE CITY OF CHICAGO'S REQUIREMENTS.
158. IF THE CONDITION OF EXISTING CATCH BASINS OR INLETS IS SUCH THAT THEIR ADJUSTMENT IS NOT FEASIBLE AT THE TIME OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH AND INSTALL SUCH EQUIPMENT AS MAY BE REQUIRED TO MAINTAIN THE EXISTING CATCH BASINS OR INLETS IN USE AND WITH THE CONFORMANCE OF THE DEPARTMENT OF WATER MANAGEMENT. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR CATCH BASINS, TYPE A, 4 FT. DIAMETER, TYPE 1, FRAME, OPEN LID CITY OF CHICAGO OR FOR INLETS, TYPE A, TYPE 1, FRAME, OPEN LID CITY OF CHICAGO. THE QUANTITIES OF SUCH EQUIPMENT AND LIDS HAS BEEN INCLUDED IN THE SO QUANTITIES TO COVER THIS CONTINGENCY.

156. IN ARTERIAL STREETS, SEGREGATED LIDS SHALL BE PLACED ON ALL SEWER STRUCTURES UNLESS OTHERWISE APPROVED BY THE COMMISSIONER. IN RESIDENTIAL STREETS, MANHOLES MAY REQUIRE CLOSED LIDS. CHECK WITH THE DEPARTMENT OF WATER MANAGEMENT INSPECTION.

160. EXISTING ORDINANCE GRADING ARE SHOWN ON THE EXISTING CONDITIONS PLAN. ANY CURB ELEVATIONS WHICH ARE LOWER THAN THE EXISTING DRAINAGE GROOVES TO A MINIMUM OF ONE FEET MUST BE SUBMITTED TO THE CITY COUNCIL FOR REVIEW WITH DEPARTMENT OF WATER MANAGEMENT'S NOTIFICATIONS.

64. THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL FIELD-VERIFY THE CITY'S EXISTING SEWER FACILITIES INCLUDING PUBLIC AND PRIVATE DRAIN CONNECTIONS IN THE LIMITS OF THE REFERENCED PROJECT FOR ANY CONFLICTS TO THE PROPOSED IMPROVEMENT. ANY CONFLICT SHOULD BE RESOLVED WITH THE DEPARTMENT OF WATER MANAGEMENT PRIOR TO START OF CONSTRUCTION.

62. IN LOCATIONS WHERE THE MAIN SEWERS, DRAINAGE STRUCTURES, PUBLIC AND PRIVATE DRAIN CONNECTIONS ARE DISTURBED OR DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AND REPLACE THE DAMAGED FACILITIES AT HIS/HER EXPENSE TO THE SATISFACTION OF THE DEPARTMENT OF WATER MANAGEMENT. THE SEWER FLOWS MUST BE MAINTAINED AT ALL TIMES.

63. A PERMIT FROM THE DEPARTMENT OF WATER MANAGEMENT SHOULD BE OBTAINED IN ADVANCE FOR ANY UNDERGROUND SEWER WORK INCLUDING ADJUSTMENT OF STRUCTURES, REMOVING/REPLACEMENT OF FRAMES AND LIDS, TELEVISION SURVEYS, CLEANING, LINING AND REPAIRS, BY A LICENSED SEWER CONTRACTOR AT 335 SOUTH STATE STREET, SUITE 410, CHICAGO, ILLINOIS 60604.

64. THE CONTRACTOR IS REQUIRED TO REPLACE ANY BROKEN FRAMES AND LIDS OF SEWER STRUCTURES WITH THE DEPARTMENT OF WATER MANAGEMENT STANDARD FRAMES AND LIDS. IN ADJUSTMENT OR RECONSTRUCTION OF SEWER STRUCTURES, ANY NON-STANDARD FRAMES AND LIDS MUST BE REPLACED WITH STANDARD FRAMES AND LIDS. IN ADJUSTMENT OR RECONSTRUCTION OF INLETS, ANY NON-STANDARD INLET'S (GUTTER BOXES) MUST BE REPLACED WITH THE DEPARTMENT OF WATER

MANAGEMENT STANDARDS FILETS,

65. ON WORK COMPLETION, THE CONTRACTOR SHALL PROVIDE THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT, FOR REVIEW AND ACCEPTANCE, A VIDEO TAPE OF THE SEWER MAINS.

66. AS-BUILT PLANS MUST BE SUBMITTED SOON AFTER WORK COMPLETION. FINAL PAYMENT SHALL NOT BE

DATE TO THE CONTRACTOR UNTIL THE DEPARTMENT OF WATER MANAGEMENT ACKNOWLEDGES RECEIPT OF AS-BUILT PLANS.

STREET AND S. HOLLAND ROAD	CITY OF CHICAGO
	DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING

**GENERAL NOTES**

LOCAL LAWS: **DDR**

100% Engineering, Inc.

SHEET NO. **C-04**

DATE: 1/11	UNIT:	SHEET NO.:	SHEET NO.:
DESIGN BY:	CHKD BY:	DATE:	DATE:
APPROVED BY:	APPROVED BY:	DATE:	DATE:
DATE:	DATE:	DATE:	DATE:

SCALE:	NTS	PROJECT NO.	8-0-214
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# SUMMARY OF QUANTITIES

ITEM	CODE	DESCRIPTION	UNIT	QTY.
1	2000000	EARTH EXCAVATION	CY	2840
2	2000000	SPECIAL WASTE HAULING AND DISPOSAL	TON	350
3	2000000	TRUCK BACKFILL	TON	164
4	2000000	TOPSOIL, 4-INCH	CY	25
5	2000000	TOPSOIL, 6-INCH	CY	46
6	2000000	TOPSOIL, 8-INCH	CY	187
7	2000000	TOPSOIL, 10-INCH	CY	2031
8	2000000	TOPSOIL, 12-INCH	CY	100
9	2000000	TOPSOIL, 14-INCH	CY	221
10	2000000	TOPSOIL, 16-INCH	CY	221
11	2000000	TOPSOIL, 18-INCH	CY	186
12	2000000	TOPSOIL, 20-INCH	CY	219
13	2000000	TOPSOIL, 22-INCH	CY	100
14	2000000	TOPSOIL, 24-INCH	CY	46
15	2000000	TOPSOIL, 26-INCH	CY	221
16	2000000	TOPSOIL, 28-INCH	CY	8894
17	2000000	TOPSOIL, 30-INCH	CY	3988
18	2000000	TOPSOIL, 32-INCH	CY	354
19	2000000	TOPSOIL, 34-INCH	CY	19303
20	2000000	TOPSOIL, 36-INCH	CY	140
21	2000000	TOPSOIL, 38-INCH	CY	591
22	2000000	TOPSOIL, 40-INCH	CY	6
23	2000000	TOPSOIL, 42-INCH	CY	8537
24	2000000	TOPSOIL, 44-INCH	CY	161
25	2000000	TOPSOIL, 46-INCH	CY	161
26	2000000	TOPSOIL, 48-INCH	CY	21061
27	2000000	TOPSOIL, 50-INCH	CY	616
28	2000000	TOPSOIL, 52-INCH	CY	13
29	2000000	TOPSOIL, 54-INCH	CY	13
30	2000000	TOPSOIL, 56-INCH	CY	404
31	2000000	TOPSOIL, 58-INCH	CY	137
32	2000000	TOPSOIL, 60-INCH	CY	273
33	2000000	TOPSOIL, 62-INCH	CY	171
34	2000000	TOPSOIL, 64-INCH	CY	997
35	2000000	TOPSOIL, 66-INCH	CY	3198
36	2000000	TOPSOIL, 68-INCH	CY	100
37	2000000	TOPSOIL, 70-INCH	CY	5
38	2000000	TOPSOIL, 72-INCH	CY	14
39	2000000	TOPSOIL, 74-INCH	CY	2
40	2000000	TOPSOIL, 76-INCH	CY	3
41	2000000	TOPSOIL, 78-INCH	CY	427
42	2000000	TOPSOIL, 80-INCH	CY	19
43	2000000	TOPSOIL, 82-INCH	CY	5
44	2000000	TOPSOIL, 84-INCH	CY	10
45	2000000	TOPSOIL, 86-INCH	CY	22
46	2000000	TOPSOIL, 88-INCH	CY	1
47	2000000	TOPSOIL, 90-INCH	CY	5
48	2000000	TOPSOIL, 92-INCH	CY	1
49	2000000	TOPSOIL, 94-INCH	CY	5
50	2000000	TOPSOIL, 96-INCH	CY	5

DATE	SECTION	COUNTY	PROJECT NO.	SHEET NO.
1/1/00	1000000	COOK	1000000	1000000
1/1/00	1000000	COOK	1000000	1000000
1/1/00	1000000	COOK	1000000	1000000

ITEM	CODE	DESCRIPTION	UNIT	QTY.
51	6000000	COMBINATION CONCRETE CURB AND GUTTER, TYPE 8-1/2"	LF	4885
52	6000000	CONCRETE CURB AND GUTTER SPECIAL	LF	538
53	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	114
54	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	336
55	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
56	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
57	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
58	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
59	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
60	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
61	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
62	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
63	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
64	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
65	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
66	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
67	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
68	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
69	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
70	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
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72	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
73	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
74	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
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76	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
77	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
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79	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
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84	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
85	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
86	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
87	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
88	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
89	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102
90	6000000	CONCRETE CURB, TYPE 8-1/2"	LF	102

NO.	BY	DATE	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

CITY OF CHICAGO  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF ENGINEERING

87TH STREET AND S. HOLLAND ROAD  
SUMMARY OF QUANTITIES

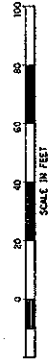
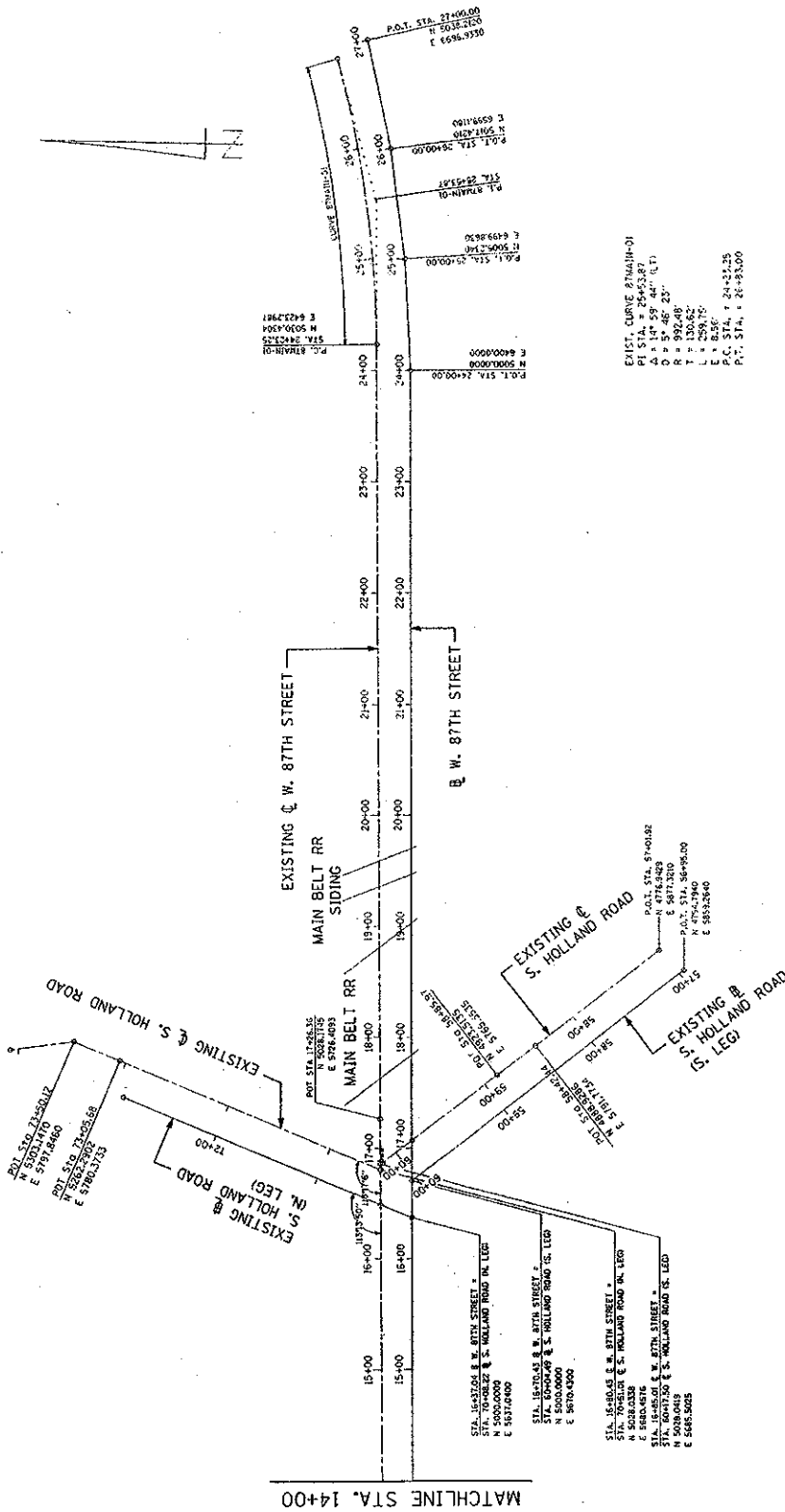
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C-05

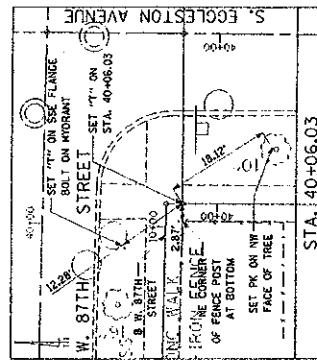
PROJECT NO. 8-02-01



SECTION	DATE	BY	CHKD	APP'D
SECTION	DATE	BY	CHKD	APP'D
SECTION	DATE	BY	CHKD	APP'D
SECTION	DATE	BY	CHKD	APP'D
SECTION	DATE	BY	CHKD	APP'D



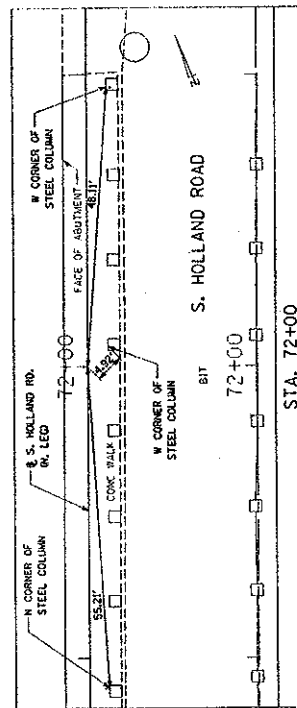
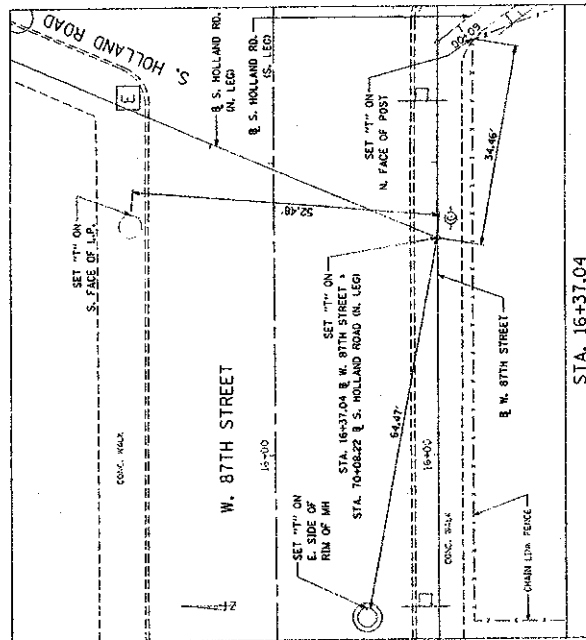
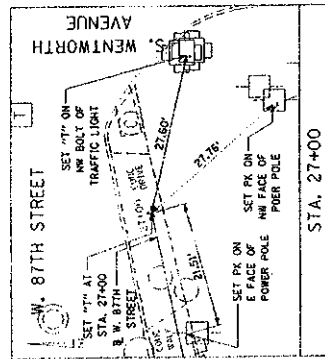
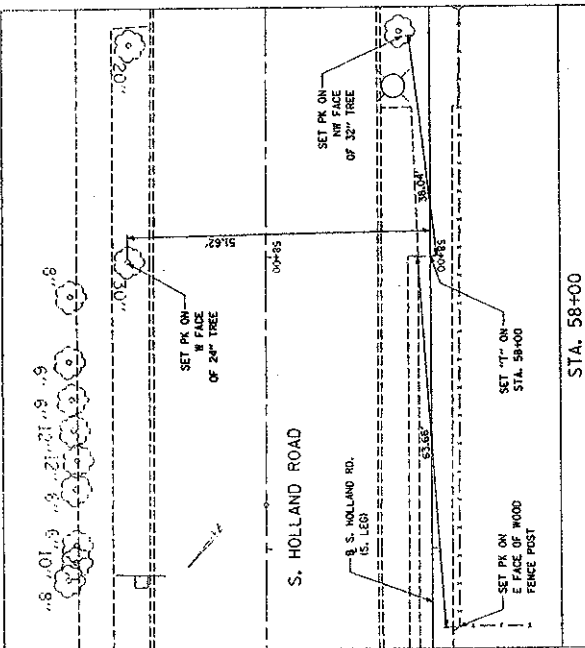
REVISIONS			87TH STREET AND S. HOLLAND ROAD			CITY OF CHICAGO			
NO	BY	DATE	DESCRIPTION	DEPARTMENT OF TRANSPORTATION			DIVISION OF ENGINEERING		
				HRR			DOT Engineering Div.		
				DESIGN BY	LWT		SHEET NO.		
				DRAWN BY	LWK				
				CHECKED BY	LWK				
				DATE	12/20/2005				C-07
				SCALE					
				CONTACT TEL.			PROJECT NO.		B-15-270



187TH STREET AND S. HOLLAND ROAD		CITY OF CHICAGO	
HORIZONTAL ALIGNMENT		DEPARTMENT OF TRANSPORTATION	
TIE SHEET		DIVISION OF ENGINEERING	
CONTRACT		GR	
SHEET NO.		SHEET 13	
SHEET 12		SHEET 14	
SHEET 15		SHEET 16	
SHEET 17		SHEET 18	
SHEET 19		SHEET 20	
SHEET 21		SHEET 22	
SHEET 23		SHEET 24	
SHEET 25		SHEET 26	
SHEET 27		SHEET 28	
SHEET 29		SHEET 30	
SHEET 31		SHEET 32	
SHEET 33		SHEET 34	
SHEET 35		SHEET 36	
SHEET 37		SHEET 38	
SHEET 39		SHEET 40	
SHEET 41		SHEET 42	
SHEET 43		SHEET 44	
SHEET 45		SHEET 46	
SHEET 47		SHEET 48	
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SHEET 83		SHEET 84	
SHEET 85		SHEET 86	
SHEET 87		SHEET 88	
SHEET 89		SHEET 90	
SHEET 91		SHEET 92	
SHEET 93		SHEET 94	
SHEET 95		SHEET 96	
SHEET 97		SHEET 98	
SHEET 99		SHEET 100	



SECTION	COUNTY	SHEET
10-2024-00-01	COOK	9
TO STA.		
FROM STA.		
PROJECT		



REVISONS		CITY OF CHICAGO	
NO	BY DATE	DEPARTMENT OF TRANSPORTATION	
		DIVISION OF ENGINEERING	
		H&R	
		H&R Engineering, Inc.	
		DESIGNED BY	
		CHECKED BY	
		APPROVED BY	
		DATE	
		PROJECT NO.	
		SHEET NO.	
		C-09	







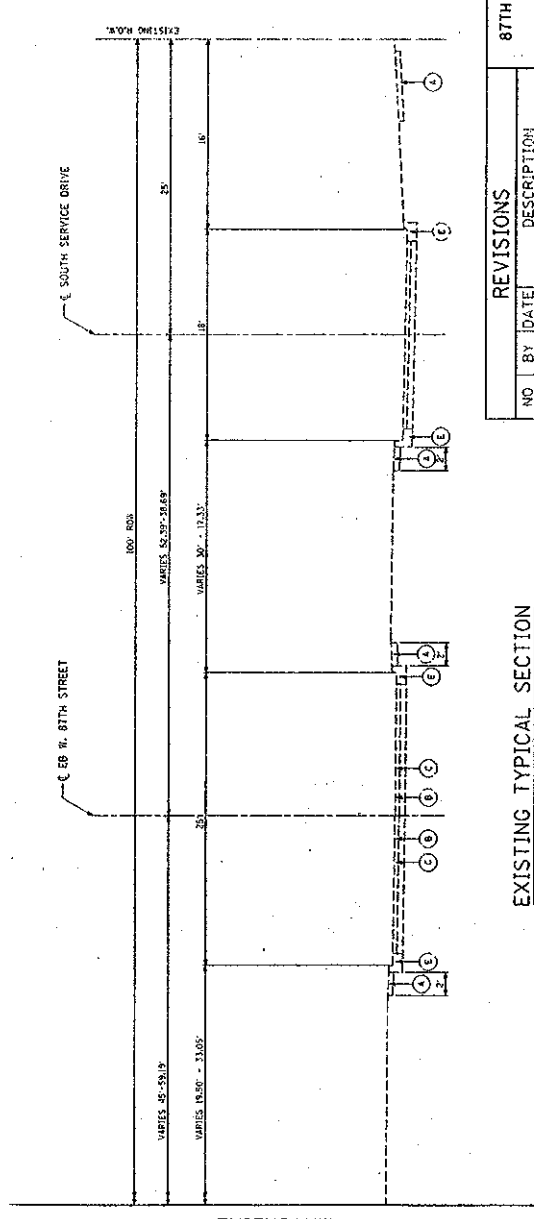
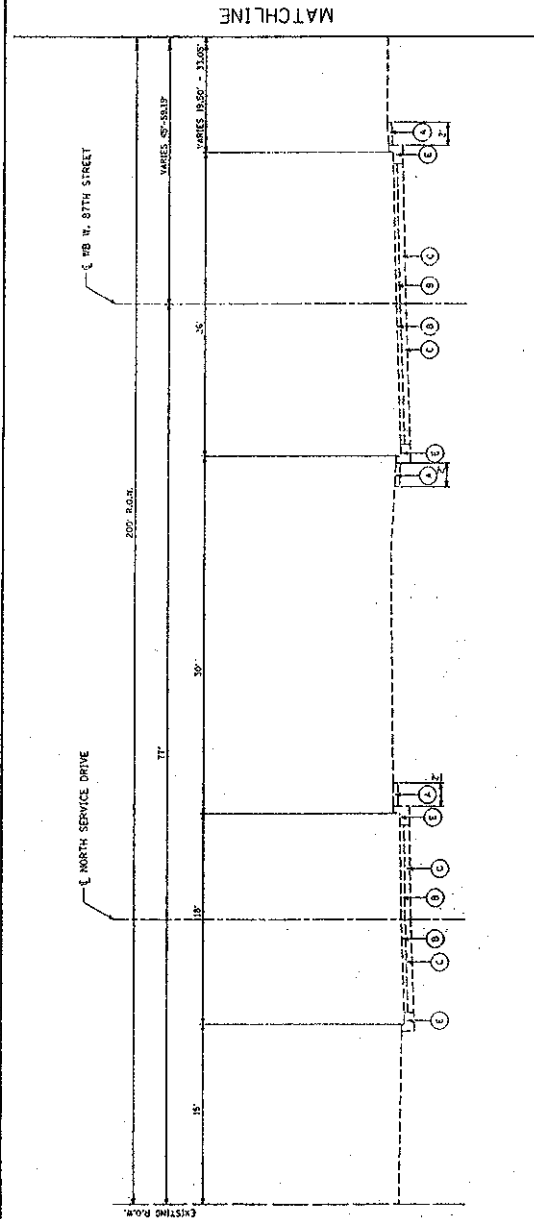
DATE	SECTION	COUNTY	PROJECT NO.
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10/1/00	NO. 1001-00-PM	COOK	42
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10/1/00	NO. 1001-00-PM	COOK	42
10/1/00	NO. 1001-00-PM	COOK	42

# LEGEND

- EXISTING:
- (A) P.C.C. SIDEWALK
  - (B) BITUMINOUS SURFACE COURSE (VARIES 4" TO 5 1/2")
  - (C) P.C.C. BASE COURSE (VARIES 8" TO 9")
  - (D) CONCRETE FOOTING
  - (E) P.C.C. CURB AND GUTTER
  - (F) P.C.C. MEDIAN SURFACE

## PROPOSED

- (1) HIGH EARL STRENGTH P.C.C. PAVEMENT, 10"
- (2) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-VI-2
- (4) COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)
- (5) EXPANSION JOINT, 1/4" THICK, INCIDENTAL
- (6) PIPE UNDERDRAIN, 6"
- (7) PROPOSED P.C.C. SIDEWALK, 5" (SEE PLAN LOCATION)
- (8) 1/2" DIA. TIE BARS AT 30" CENTERS (30" LONG) SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO D
- (9) SAVED LONGITUDINAL JOINT 1/2" DIA. DEFORMED TIE BARS AT 30" CENTERS (30" LONG) SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO D



CITY OF CHICAGO	
DEPARTMENT OF TRANSPORTATION	
DIVISION OF ENGINEERING	
CONSULTANT	HR
PROJECT NO.	C-11
DATE	10/1/00
DESIGNED BY	HR
CHECKED BY	HR
APPROVED BY	HR
DATE	10/1/00
PROJECT NO.	C-11
PROJECT NO.	C-11

REVISIONS	
NO.	DESCRIPTION
1	87TH STREET AND S. HOLLAND ROAD
2	TYPICAL SECTIONS
3	W. 87TH STREET

EXISTING TYPICAL SECTION  
S. NORMAL AVENUE TO W. OF S. EGGLESTON AVENUE  
(STA. 28+24 TO STA. 29+01.23)

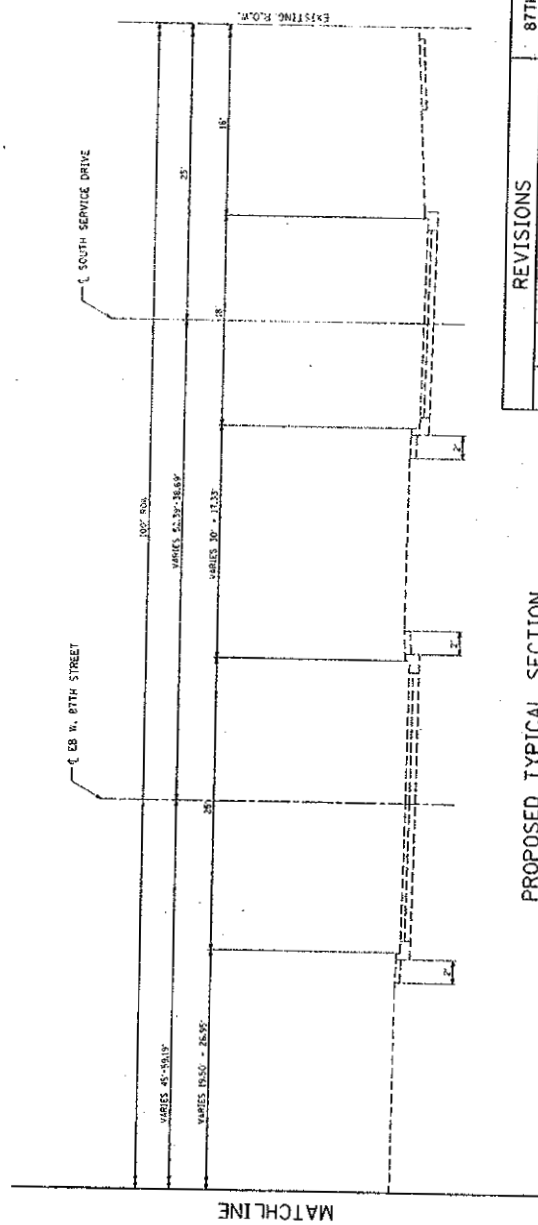
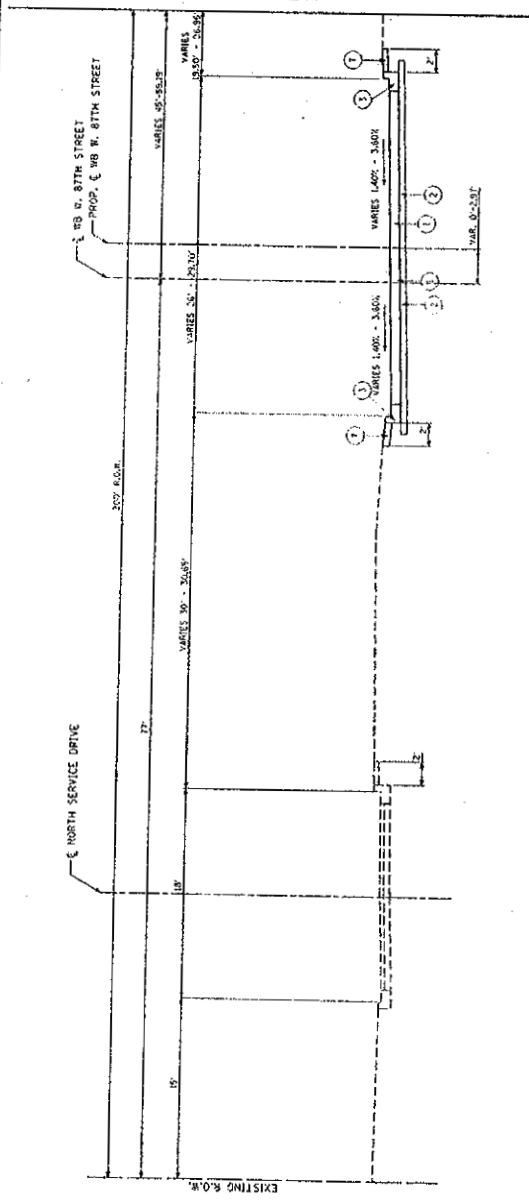
SECTION	COUNTY	SHEET	DATE
SECTION	COUNTY	SHEET	DATE
SECTION	COUNTY	SHEET	DATE
SECTION	COUNTY	SHEET	DATE

# LEGEND

- EXISTING
- (1) P.C.C. SIDEWALK
  - (2) BITUMINOUS SURFACE COURSE
  - (3) P.C.C. BASE COURSE
  - (4) CONCRETE FOOTING
  - (5) P.C.C. CURB AND GUTTER
  - (6) P.C.C. MEDIAN SURFACE

# PROPOSED

- (1) HIGH EARLY STRENGTH P.C.C. PAVEMENT, 10"
- (2) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-W-12
- (4) COMBINATION CONCRETE CURB AND GUTTER, SPECIAL
- (5) EXPANSION JOINT, 1/2" THICK, INCIDENTAL
- (6) PIPE UNDERDRAIN, 6"
- (7) PROPOSED P.C.C. SIDEWALK, 3' SEE PLAN LOCATION
- (8) 1/4" DIA. RE BARS AT 20" CENTERS (30" LONG)
- (9) SAWED LONGITUDINAL JOINT
- (10) 1/4" DIA. REFORMED TIE BARS AT 20" CENTERS (30" LONG)
- (11) SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO 1)



PROPOSED TYPICAL SECTION  
S. NORMAL AVENUE TO W. OF S. EGGLESTON AVENUE  
(STA. 28+24 TO STA. 29+01.23)

87TH STREET AND S. HOLLAND ROAD  
TYPICAL SECTIONS  
W. 87TH STREET

NO	BY	DATE	DESCRIPTION

CITY OF CHICAGO	
DEPARTMENT OF TRANSPORTATION	
DIVISION OF ENGINEERING	
CONTRACT	HR
DATE	10/10/2005
BY	HR
CHECKED BY	HR
DATE	10/10/2005
PROJECT NO.	C-12
SHEET NO.	12





DATE	SECTION	COUNTY	SHEET
NO. 10-10-10	NO. 10-10-10	NO. 10-10-10	NO. 10-10-10
NO. 10-10-10	NO. 10-10-10	NO. 10-10-10	NO. 10-10-10
NO. 10-10-10	NO. 10-10-10	NO. 10-10-10	NO. 10-10-10

NO. 10-10-10

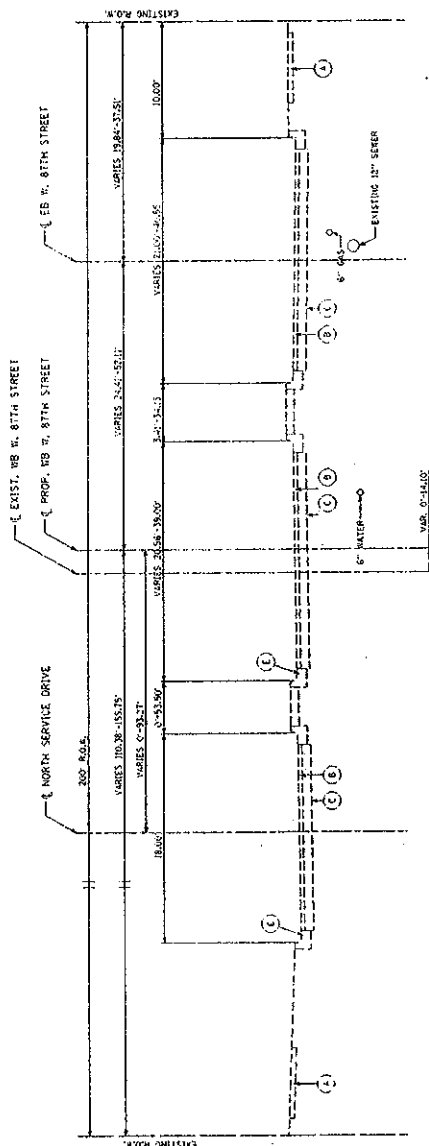
## LEGEND

### EXISTING

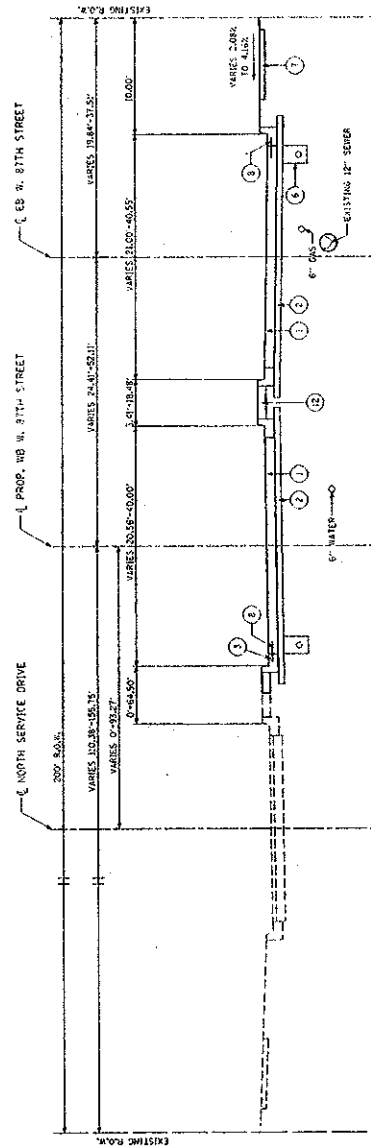
- (1) P.C.C. SIDEWALK
- (2) BITUMINOUS SURFACE COURSE
- (3) VARIES 4" TO 5 1/2"
- (4) P.C.C. BASE COURSE
- (5) VARIES 8" TO 9"
- (6) CONCRETE FLOORING
- (7) P.C.C. CURB AND GUTTER
- (8) P.C.C. MEDIAN SURFACE

### PROPOSED

- (1) HIGH EARLY STRENGTH P.C.C. PAVEMENT, 10"
- (2) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (3) COMBINATION DISCRETE CURB AND GUTTER, TYPE B-VI2
- (4) COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)
- (5) EXPANSION JOINT, 1/2" THICK, INCIDENTAL
- (6) PIPE UNDERDRAIN, 6"
- (7) PROPOSED P.C.C. SIDEWALK, 5' SEE PLAN LOCATION
- (8) 1/2" DIA. TIE RAPS AT 30" CENTERS, 15' LONG
- (9) SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO 29
- (10) SAVED LONGITUDINAL JOINT
- (11) 6" DIA. DEFORMED TIE BARS AT 30" CENTERS, 15' LONG
- (12) SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO 10
- (13) SCODDING, SALT TOLERANT
- (14) TOP SOIL, 4"
- (15) CONCRETE MEDIAN SURFACE (SPECIAL)



## PROPOSED TYPICAL SECTION S. EGGLESTON AVENUE TO UP RR (STA. 30+35.82 TO STA. 32+99.58)



CITY OF CHICAGO	
DEPARTMENT OF TRANSPORTATION	
DIVISION OF ENGINEERING	
CONTRACT NO.	10-10-10
DATE OF	10-10-10
BY	10-10-10
FOR	10-10-10
BY	10-10-10
FOR	10-10-10
BY	10-10-10
FOR	10-10-10

87TH STREET AND S. HOLLAND ROAD	
TYPICAL SECTIONS	
W. 87TH STREET	

NO.	DATE	DESCRIPTION

## PROPOSED TYPICAL SECTION S. EGGLESTON AVENUE TO UP RR (STA. 30+35.82 TO STA. 32+99.58) WB 87TH STREET (STA. 51+79 TO STA. 52+95) EB 87TH STREET

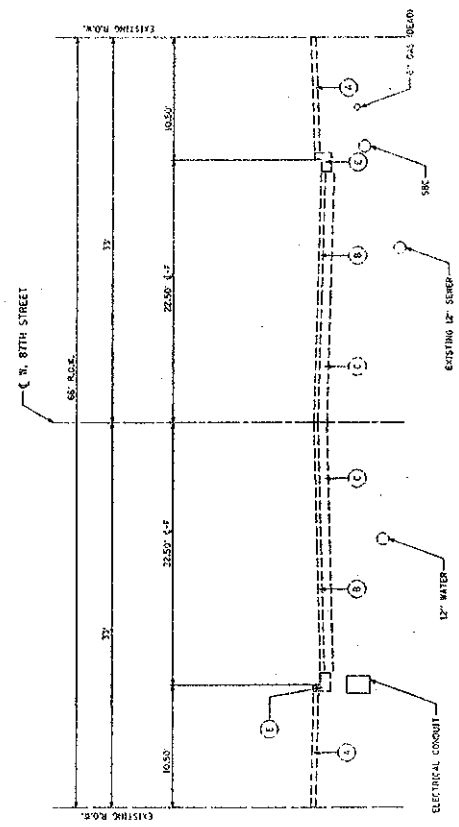




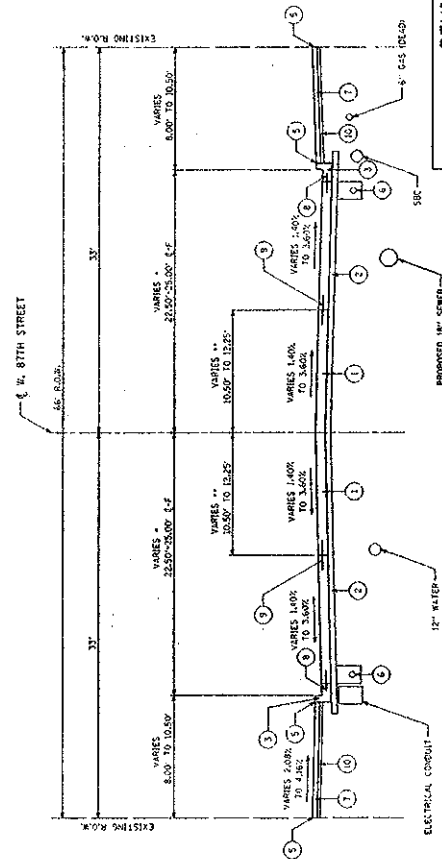
SECTION	COUNTY	DATE	NO.
TO-RTN-00-PM	COOK	42	18
STA.	TO STA.		
100.00	100.00	100.00	100.00
100.00	100.00	100.00	100.00

# LEGEND

- EXISTING
- (A) P.C.C. SIDEWALK
  - (B) BITUMINOUS SURFACE COURSE VARIES 4" TO 5 1/2"
  - (C) P.C.C. BASE COURSE VARIES 8" TO 9"
  - (D) CONCRETE FOOTING
  - (E) P.C.C. CURB AND GUTTER
  - (F) P.C.C. MEDIAN SURGAL
- PROPOSED
- (1) HIGH EARLY STRENGTH P.C.C. PAVEMENT, 10"
  - (2) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
  - (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-412
  - (4) COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)
  - (5) EXPANSION JOINT, 1/2" INCL. INCIDENTAL
  - (6) PINE UNDERDRAIN, 6"
  - (7) PROPOSED P.C.C. SIDEWALK, 5" (SEE PLAN LOCATION)
  - (8) 1/2" DIA. TIE BARS AT 30" CENTERS 100' LONG SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO D
  - (9) SAVED LONGITUDINAL JOINT
  - (10) 1/2" DIA. DEFORMED TIE BARS AT 30" CENTERS, 100' LONG SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO D



EXISTING TYPICAL SECTION  
NORFOLK SOUTHERN RR TO MAIN BELT RR  
(STA. 14+10 TO STA. 17+50)



PROPOSED TYPICAL SECTION  
NORFOLK SOUTHERN RR TO MAIN BELT RR  
(STA. 14+10 TO STA. 17+50)

NO.	BY	DATE	DESCRIPTION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING

87TH STREET AND S. HOLLAND ROAD

TYPICAL SECTION

W. 87TH STREET

DATE: 10/1/00

BY: J. L. W.

CHECKED BY: J. L. W.

APPROVED BY: J. L. W.

DATE: 10/1/00

BY: J. L. W.

CHECKED BY: J. L. W.

APPROVED BY: J. L. W.

C-18

10/1/00

10/1/00





FILE NO.	SECTION	COUNTY	TOTAL SHEETS
100-80084-000-PM	100-80084-000-PM	COOK	43
STA.	TO STA.		NO.
100-80084-000-PM	100-80084-000-PM		43

## LEGEND

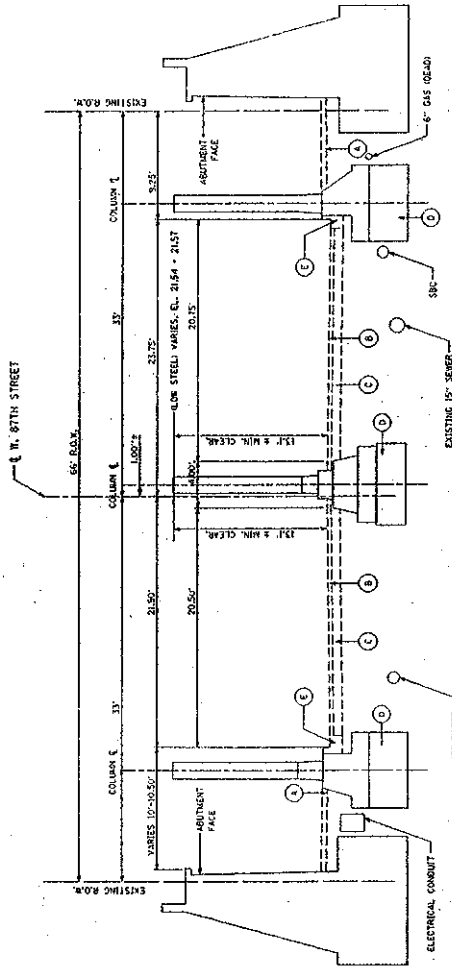
### EXISTING

- 1 P.C.C. SIDEWALK
- 2 BITUMINOUS SURFACE COURSE
- 3 P.C.C. BASE COURSE
- 4 CONCRETE FOOTING
- 5 P.C.C. CURB AND GUTTER
- 6 P.C.C. MEDIAN SURFACE

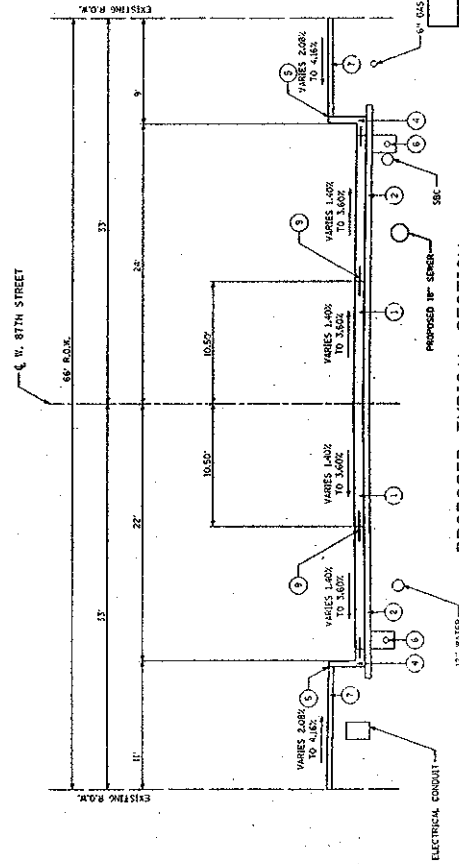
### PROPOSED

- 1 HIGH EARLY STRENGTH P.C.C. PAVEMENT, 10"
- 2 SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- 3 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-VI-2
- 4 COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)
- 5 EXPANSION JOINT, 1/4" THICK, INCIDENTAL
- 6 PIPE UNDERDRAIN, 8"
- 7 PROPOSED P.C.C. SIDEWALK, 5" (SEE PLAN LOCATION)
- 8 1/2" DIA. TIE BARS AT 30" CENTERS (SEE LEGEND)
- 9 1/2" DIA. DEFORMED TIE BARS AT 30" CENTERS (SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO 1)

NOTE:  
THE SIDE TRACK VIADUCT OVER 87TH STREET WILL BE DEMOLISHED BY OTHERS.



EXISTING TYPICAL SECTION  
MAIN BELT RR SIDE TRACK OVER W. 87TH STREET  
(STA. 19+00 TO STA. 19+50)



PROPOSED TYPICAL SECTION  
MAIN BELT RR SIDE TRACK OVER W. 87TH STREET  
(STA. 19+00 TO STA. 19+50)

## REVISIONS

NO.	BY	DATE	DESCRIPTION

87TH STREET AND S. HOLLAND ROAD

TYPICAL SECTION  
W. 87TH STREET

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION  
DIVISION OF ENGINEERING

HR

PROJECT NO. C-20

PROJECT NO. B-524



REF.	SECTION	QUANTITY	UNIT PRICE	TOTAL
1	100' BOUNDARY	1.00	100.00	100.00
2	100' BOUNDARY	1.00	100.00	100.00
3	100' BOUNDARY	1.00	100.00	100.00
4	100' BOUNDARY	1.00	100.00	100.00
5	100' BOUNDARY	1.00	100.00	100.00
6	100' BOUNDARY	1.00	100.00	100.00
7	100' BOUNDARY	1.00	100.00	100.00
8	100' BOUNDARY	1.00	100.00	100.00
9	100' BOUNDARY	1.00	100.00	100.00
10	100' BOUNDARY	1.00	100.00	100.00
11	100' BOUNDARY	1.00	100.00	100.00
12	100' BOUNDARY	1.00	100.00	100.00
13	100' BOUNDARY	1.00	100.00	100.00
14	100' BOUNDARY	1.00	100.00	100.00
15	100' BOUNDARY	1.00	100.00	100.00
16	100' BOUNDARY	1.00	100.00	100.00
17	100' BOUNDARY	1.00	100.00	100.00
18	100' BOUNDARY	1.00	100.00	100.00
19	100' BOUNDARY	1.00	100.00	100.00
20	100' BOUNDARY	1.00	100.00	100.00
21	100' BOUNDARY	1.00	100.00	100.00
22	100' BOUNDARY	1.00	100.00	100.00
23	100' BOUNDARY	1.00	100.00	100.00
24	100' BOUNDARY	1.00	100.00	100.00
25	100' BOUNDARY	1.00	100.00	100.00
26	100' BOUNDARY	1.00	100.00	100.00
27	100' BOUNDARY	1.00	100.00	100.00
28	100' BOUNDARY	1.00	100.00	100.00
29	100' BOUNDARY	1.00	100.00	100.00
30	100' BOUNDARY	1.00	100.00	100.00
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34	100' BOUNDARY	1.00	100.00	100.00
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42	100' BOUNDARY	1.00	100.00	100.00
43	100' BOUNDARY	1.00	100.00	100.00
44	100' BOUNDARY	1.00	100.00	100.00
45	100' BOUNDARY	1.00	100.00	100.00
46	100' BOUNDARY	1.00	100.00	100.00
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51	100' BOUNDARY	1.00	100.00	100.00
52	100' BOUNDARY	1.00	100.00	100.00
53	100' BOUNDARY	1.00	100.00	100.00
54	100' BOUNDARY	1.00	100.00	100.00
55	100' BOUNDARY	1.00	100.00	100.00
56	100' BOUNDARY	1.00	100.00	100.00
57	100' BOUNDARY	1.00	100.00	100.00
58	100' BOUNDARY	1.00	100.00	100.00
59	100' BOUNDARY	1.00	100.00	100.00
60	100' BOUNDARY	1.00	100.00	100.00
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62	100' BOUNDARY	1.00	100.00	100.00
63	100' BOUNDARY	1.00	100.00	100.00
64	100' BOUNDARY	1.00	100.00	100.00
65	100' BOUNDARY	1.00	100.00	100.00
66	100' BOUNDARY	1.00	100.00	100.00
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87	100' BOUNDARY	1.00	100.00	100.00
88	100' BOUNDARY	1.00	100.00	100.00
89	100' BOUNDARY	1.00	100.00	100.00
90	100' BOUNDARY	1.00	100.00	100.00
91	100' BOUNDARY	1.00	100.00	100.00
92	100' BOUNDARY	1.00	100.00	100.00
93	100' BOUNDARY	1.00	100.00	100.00
94	100' BOUNDARY	1.00	100.00	100.00
95	100' BOUNDARY	1.00	100.00	100.00
96	100' BOUNDARY	1.00	100.00	100.00
97	100' BOUNDARY	1.00	100.00	100.00
98	100' BOUNDARY	1.00	100.00	100.00
99	100' BOUNDARY	1.00	100.00	100.00
100	100' BOUNDARY	1.00	100.00	100.00

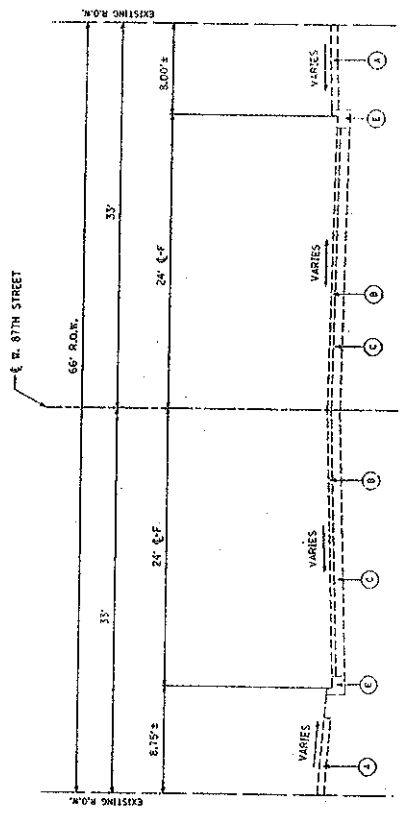
# LEGEND

## EXISTING

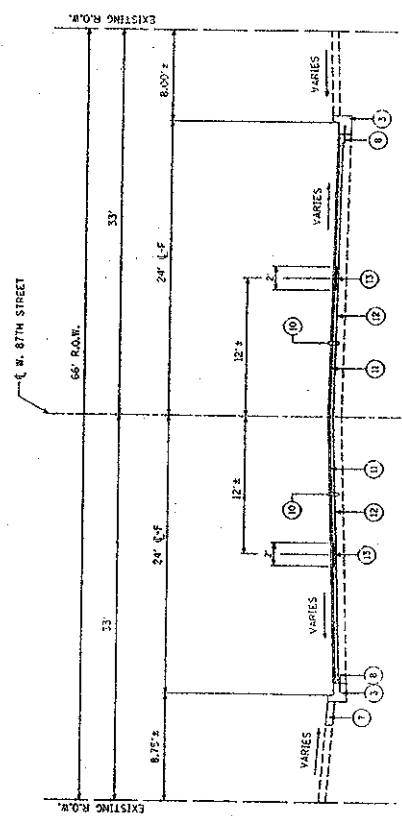
- (A) P.C.C. SIDEWALK
- (B) BITUMINOUS SURFACE COURSE VARIES 4" TO 5 1/2"
- (C) P.C.C. BASE COURSE VARIES 8" TO 9"
- (D) CONCRETE FOOTING
- (E) P.C.C. CURB AND GUTTER
- (F) P.C.C. MEDIAN SURFACE

## PROPOSED

- (1) HIGH EARLY STRENGTH P.C.C. PAVEMENT, 10"
- (2) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V12
- (4) COMBINATION CONCRETE CURB AND GUTTER, (SPECIAL)
- (5) EXPANSION JOINT, 1/2" THICK, INCIDENTAL
- (6) PIPE UNDESGRAPHIC 5"
- (7) PROPOSED P.C.C. SIDEWALK, 5" (SEE PLAN LOCATION)
- (8) 1/2" DIA. TIE BARS AT 30" CENTERS (30" LONG) SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO 3)
- (9) SLOPE CONSTRUCTION, 100'
- (10) 1/2" DIA. TIE BARS AT 30" CENTERS (30" LONG) SEE CITY OF CHICAGO STANDARD DETAILS INCIDENTAL TO 3)
- (11) BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH.
- (12) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, 1 1/2" TO 2 1/4"
- (13) BITUMINOUS (COMPETE SINGE COURSE, SUPERPAVE, 1 1/2" TO 2 1/4"
- (14) STOP REFLECTIVE CRACK TREATMENT

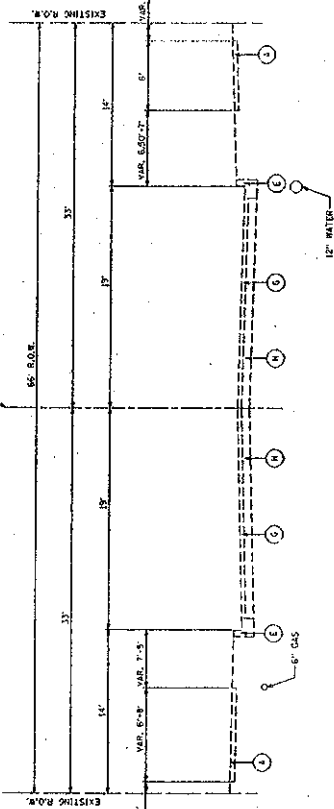


EXISTING TYPICAL SECTION  
E. 87TH STREET  
(STA. 24+00 TO S. WENTWORTH AVE.)



PROPOSED TYPICAL SECTION  
E. 87TH STREET  
(STA. 24+00 TO S. WENTWORTH AVE.)

REVISONS		CITY OF CHICAGO	
NO	BY DATE	DEPARTMENT OF TRANSPORTATION	
		DIVISION OF ENGINEERING	
		HRR	
		HRR ENGINEERING, INC.	
		DRAWN BY: [blank]	
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		SCALE: [blank]	
		SHEET NO. C-22	
		PROJECT NO. 8-02-24	

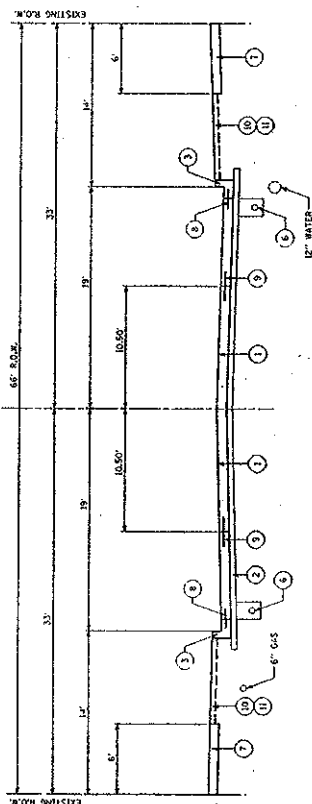


EXISTING TYPICAL SECTION  
N. OF PRINCETON AV. TO S. OF 87TH STREET  
(STA 57+60 TO STA. 59+33)

EXISTING TYPICAL SECTION  
S. OF 87TH STREET TO 87TH STREET  
(STA 59+33 TO STA. 60+17)

### LEGEND

- | EXISTING |   | PROPOSED |                      |
|----------|---|----------|----------------------|
| A        | P.C.C. SUBGRADE                             | (1)      | HIGH                 |
| B        | BITUMINOUS SURFACE COURSE (VARIES 4" TO 5") | (2)      | SUB                  |
| C        | P.C.C. BASE COURSE (VARIES 8" TO 9")        | (3)      | CONCRETE             |
| D        | CONCRETE FOOTING                            | (4)      | CONCRETE             |
| E        | P.C.C. CURB AND GUTTER                      | (5)      | EXPANDED             |
| F        | P.C.C. MEDIAN SURFACE                       | (6)      | PIPE                 |
| G        | BRICK PAVEMENT 4"                           | (7)      | PROPOSED             |
| H        | CRUSHED BRICK BASE COURSE 8"                | (8)      | 1/2" BASE COURSE SEE |
|          |   | (9)      | 1/2" BASE COURSE SEE |
|          |   | (10)     | SOIL                 |
|          |   | (11)     | TOP                  |



PROPOSED TYPICAL SECTION  
N. OF PRINCETON AV. TO 87TH STREET  
(STA 57+60 TO STA. 60+17)

[illegible]

87TH STREET AND S. HOLLAND ROAD

CITY OF CHICAGO  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF ENGINEERING

**CONSULTANT:**

**DIVISION OF ENGINEERING**

**FOR**

HDR Engineering, Inc.

SHEET NO.

**C-23**

PROJECT NO. B-0-214

DRAWN BY	BVT	CHECKED BY	DJK	DATE	12/01/2009
APPROVED BY	SLA	SCALE	NYS	CONTRACT NO.	



SHEET	SECTION	COUNTY	PROJECT
1	1	COOK	1110001 FED. AID PROJECT
1	1	TO STA.	1110001 FED. AID PROJECT
1	1	1110001 FED. AID PROJECT	1110001 FED. AID PROJECT

DATE	BY	DESCRIPTION
11/10/00	1110001 FED. AID PROJECT	1110001 FED. AID PROJECT
11/10/00	1110001 FED. AID PROJECT	1110001 FED. AID PROJECT

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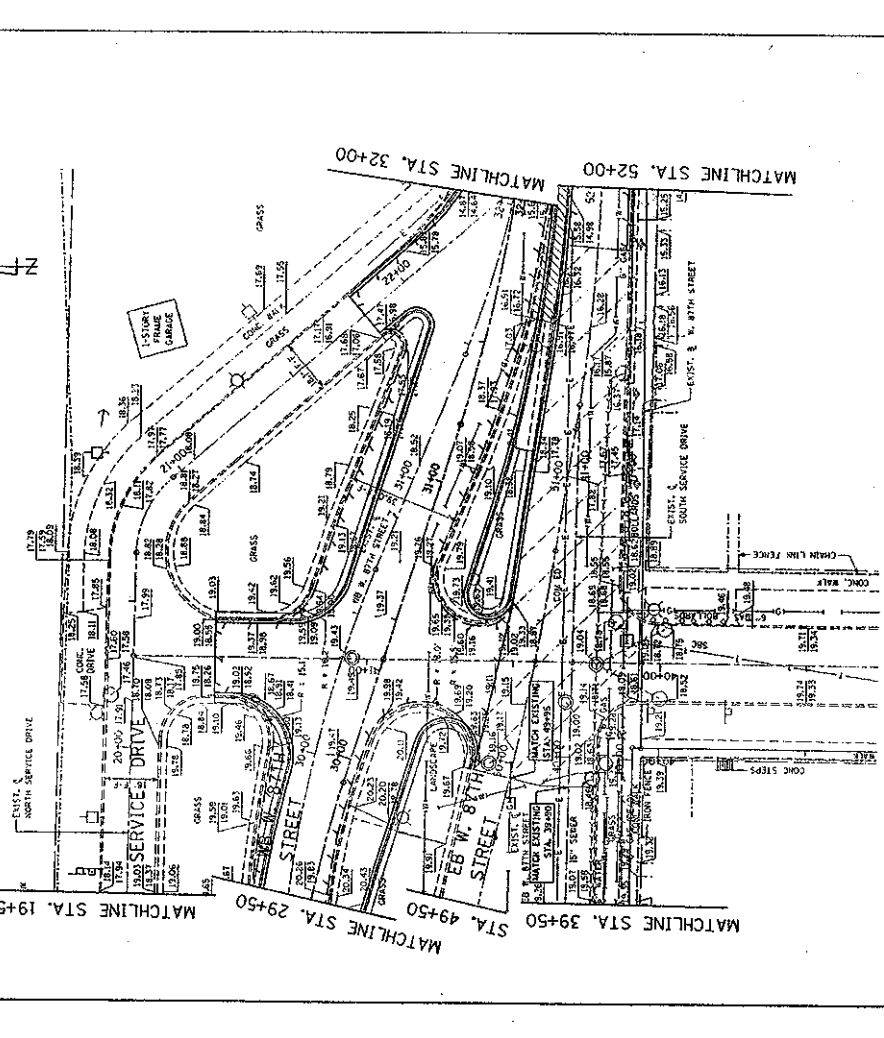
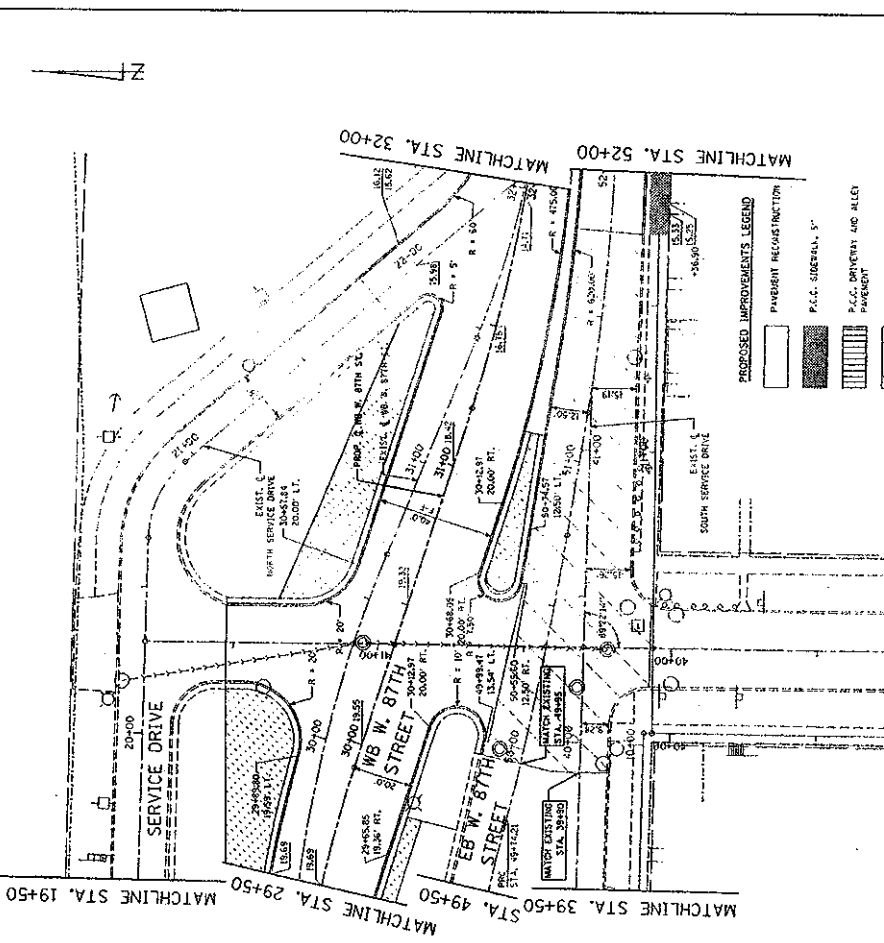
DATE	BY	DESCRIPTION
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11/10/00	1110001 FED. AID PROJECT	1110001 FED. AID PROJECT

DATE	BY	DESCRIPTION
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DATE	BY	DESCRIPTION
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DATE	BY	DESCRIPTION
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DATE	BY	DESCRIPTION
11/10/00	1110001 FED. AID PROJECT	1110001 FED. AID PROJECT
11/10/00	1110001 FED. AID PROJECT	1110001 FED. AID PROJECT



**S. EGGLESTON AVENUE**  
**PROPOSED IMPROVEMENTS**

**PROPOSED IMPROVEMENTS LEGEND**

- PAVEMENT RECONSTRUCTION
- P.A.C. SIDEWALK, 5'
- P.A.C. DRIVEWAY AND ALLEY
- TOPSOIL AND SEEDING
- BITUMINOUS SURFACE
- CONC. CURB AND GUTTER
- PROPOSED 14" B.C. PROP. 7% ELEV.
- EXISTING ELEV.

**REVISIONS**

NO.	BY	DATE	DESCRIPTION

**CITY OF CHICAGO**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF ENGINEERING**

**CONTRACT** **HR** **HR Engineering, Inc.**

**PROJECT NO.** **C-25**

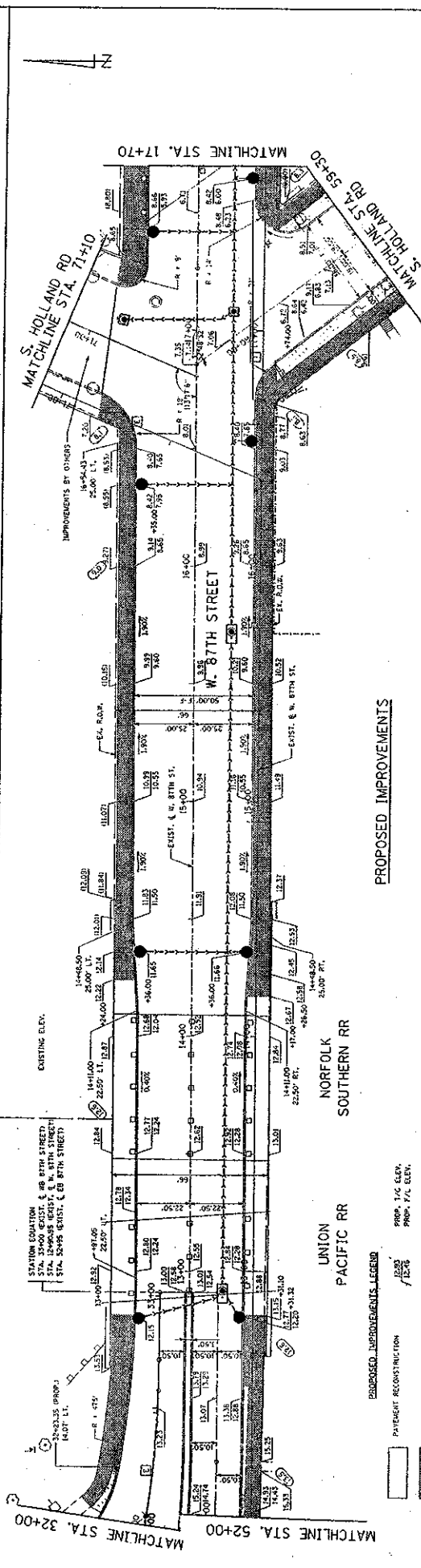
**87TH STREET AND S. HOLLAND ROAD**  
**EXISTING CONDITIONS AND**  
**PROPOSED IMPROVEMENTS**  
**W. 87TH STREET**  
**STA. 29+50 (WB) TO STA. 32+00 (WB)**

**S. EGGLESTON AVENUE**  
**EXISTING CONDITIONS**

**EXISTING CONDITIONS LEGEND**

- PAVEMENT REMOVAL
- P.A.C. SIDEWALK REMOVAL
- P.A.C. DRIVEWAY AND ALLEY REMOVAL
- TOP OF CURB ELEV. FROM LINE ELEV.
- CONC. CURB AND GUTTER REMOVAL
- P.A.C. MEDIAN REMOVAL
- BITUMINOUS DRIVEWAY PAVEMENT REMOVAL
- BITUMINOUS SURFACE REMOVAL

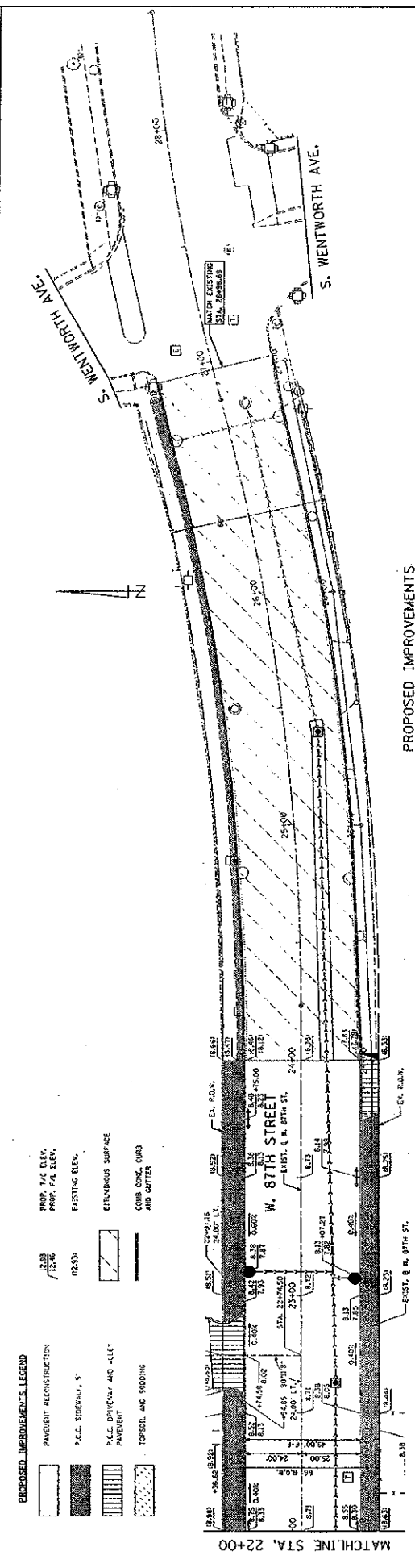
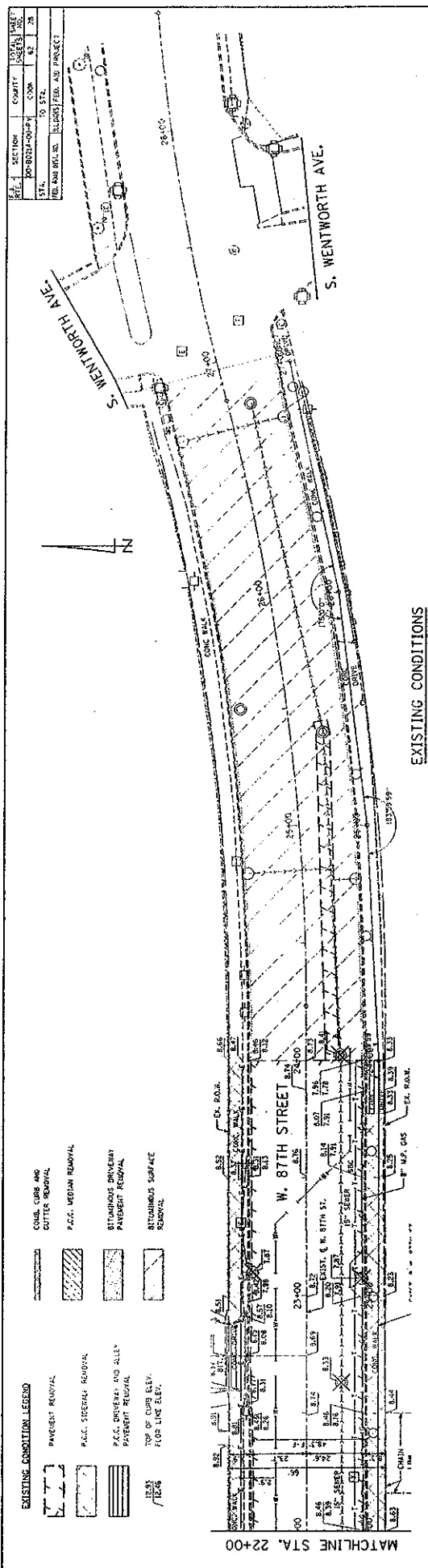
**SCALE** 1" = 20'

[illegible]

	P.A.C. SIDEWALK, 5"	112,530	EXISTING ELEV.
	P.C.E. DRIVEWAY AND ALLEY PAVEMENT		IRREGULAR SURFACE
	TOPSOIL AND SOODING		CONC. CONC. CURB AND WALKER



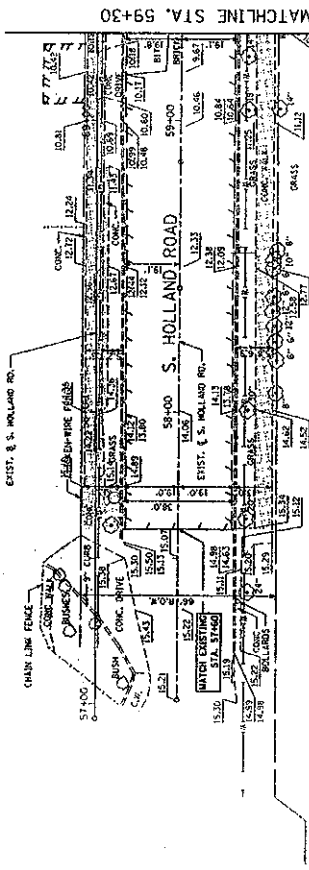




<b>CITY OF CHICAGO</b> DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING		<b>87TH STREET AND S. HOLLAND ROAD</b> EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS W. 87TH STREET STA. 22+00 TO S. WENTWORTH AVE.	
CONTRACT NO. <b>HR</b> DATE <b>07/17/2014</b> DESIGNED BY <b>HR</b> CHECKED BY <b>HR</b> APPROVED BY <b>HR</b> SCALE <b>1" = 20'</b>		SHEET NO. <b>C-28</b> PROJECT NO. <b>05-0314</b>	
NO.	BY	DATE	DESCRIPTION

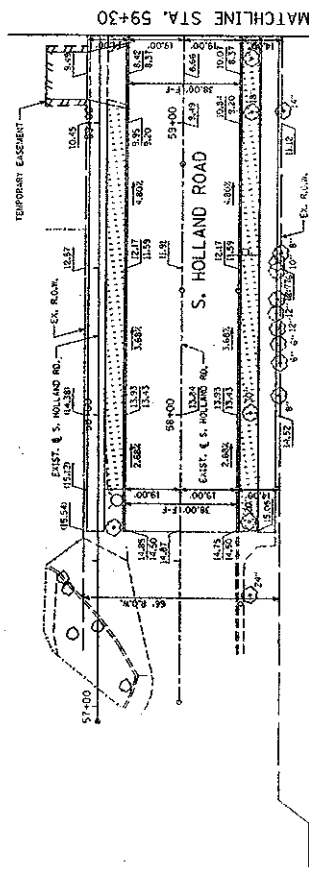
SHEET NO.	SECTION	COUNTY	LOCAL	SHEET
100-80214-00-04	CONV.	COOK	100-80214-00-04	02
STA.	TO STA.			
100-80214-00-04	100-80214-00-04			02

- EXISTING CONDITION LEGEND**
- PAVEMENT REMOVAL
  - P.A.C. SIDEWALK REMOVAL
  - P.A.C. DRIVEWAY AND ALLEY PAVEMENT REMOVAL
  - TWO OF CURB ELEV. FLOW CURE ELEV.
  - CURB, CURB AND GUTTER REMOVAL
  - P.A.C. MEDIAN REMOVAL
  - EXISTING SIDEWALK PAVEMENT REMOVAL



# EXISTING CONDITIONS

- PROPOSED IMPROVEMENTS LEGEND**
- PAVEMENT RECONSTRUCTION
  - P.A.C. SIDEWALK, 5'
  - P.A.C. DRIVEWAY AND ALLEY PAVEMENT
  - TOPSOIL AND SODDING
  - PROP. 1/2" ELEV. PROP. 1/4" ELEV.
  - EXISTING ELEV.



# PROPOSED IMPROVEMENTS

CITY OF CHICAGO	
DEPARTMENT OF TRANSPORTATION	
DIVISION OF ENGINEERING	
ENGINEER	DR
DATE	NOV 1967
DESIGNED BY	WAL
APPROVED BY	WAL
SCALE	1" = 20'
CORRECT NO.	0
PROJECT NO.	100-80214-00-04
SHEET NO.	C-29

87TH STREET AND S. HOLLAND ROAD  
EXISTING CONDITIONS AND  
PROPOSED IMPROVEMENTS  
S. HOLLAND ROAD  
STA. 57+60 TO STA. 59+30

NO.	BY	DATE	DESCRIPTION



3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND PROPERTY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND PROPERTY AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND PROPERTY. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND PROPERTY AT ALL TIMES.

1. The above mentioned person was born on 1925 in the village of ...
2. He was educated in the ...
3. He worked in the ...
4. He was married to ...
5. He has one child ...
6. He is currently residing in ...
7. He is engaged in the ...
8. He has no criminal record ...
9. He is a member of the ...
10. He is a member of the ...
11. He is a member of the ...
12. He is a member of the ...
13. He is a member of the ...
14. He is a member of the ...
15. He is a member of the ...
16. He is a member of the ...
17. He is a member of the ...
18. He is a member of the ...
19. He is a member of the ...
20. He is a member of the ...

2025 RELEASE UNDER E.O. 14176

- |   |  |  |   |
|---|--|--|---|
| ② | EXISTING MANHOLE WITH WATER VALVE      |  | PROPOSED VALVE  |
| ③ | EXISTING WATER VALVE BOX               |  | PROPOSED SERVICE CONNECTION WITH REDUCE VALVE             |
| ④ | EXISTING WATER BUFFALO BOX             |  | PROPOSED SERVICE CONNECTION WITH REDUCER AND REDUCE VALVE |
| ⑤ | EXISTING WATER MAIN CAP OR PLUG        |  | PROPOSED WATER MAIN CAP OR PLUG                           |
| ⑥ | EXISTING WATER MAIN TAP                |  | PROPOSED TAP  |
| ⑦ | EXISTING FIRE HYDRANT                  |  | PROPOSED FIRE HYDRANT                                     |
| ⑧ | EXISTING WATER MAIN BLOODY             |  | PROPOSED TEE CONNECTION WITH NO REDUCERS                  |
| ⑨ | EXISTING WATER MAIN                    |  | PROPOSED TEE CONNECTION WITH TWO REDUCERS                 |
| ⑩ | EXISTING TAPPING CONNECTION            |  | PROPOSED TAPPING CONNECTION                               |
| ⑪ | EXISTING (FIRE CISTERN)                |  | PROPOSED SERVICE CONNECTION WITH GATE VALVE               |
| ⑫ | EXISTING WATER MAIN INSPECTION MANHOLE |  | PROPOSED WATER MAIN SIZE CONNECTION                       |
| ⑬ | EXISTING WATER MAIN PYLONSTER TAP      |  | RESTRAINED JOINT PIPE                                     |
| ⑭ | EXISTING STAND PIPE                    |  | PROPOSED WATER MAIN SLEEVE                                |
| ⑮ | EXISTING WATER REDUCE VALVE            |  | PROPOSED REDUCE VALVE                                     |
| ⑯ | EXISTING 1/4" WATER MAIN BEND          |  | PROPOSED 1/4" WATER MAIN BEND                             |
| ⑰ | EXISTING 1/2" WATER MAIN BEND          |  | PROPOSED 1/2" WATER MAIN BEND                             |
| ⑱ | EXISTING 3/4" WATER MAIN BEND          |  | PROPOSED 3/4" WATER MAIN BEND                             |
| ⑲ | EXISTING WATER MAIN TEE                |  | PROPOSED WATER MAIN TEE                                   |
| ⑳ | EXISTING WATER MAIN CROSS              |  | PROPOSED REDUCER  |
| ㉑ | EXISTING WATER MAIN REDUCER            |  |   |
| ㉒ | EXISTING WATER MAIN BUTTERFLY VALVE    |  |   |
| ㉓ | EXISTING FEEDER MAIN 45 DEGREE BEND    |  |   |

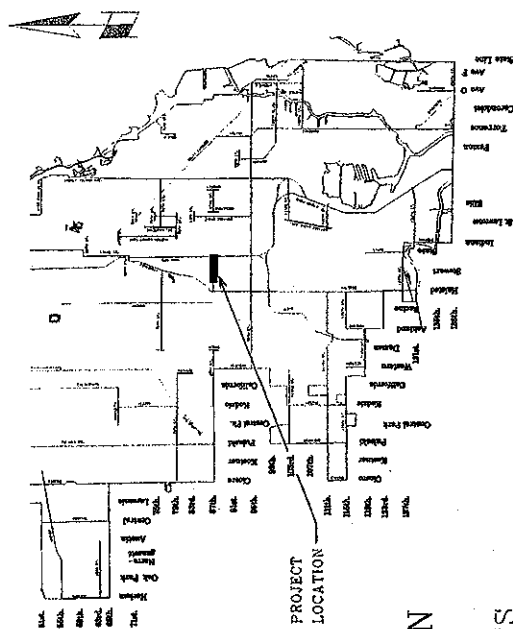
Prepared By:  
DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

Prepared By:

DEPARTMENT OF WATER MANAGEMENT  
BUREAU OF ENGINEERING SERVICES

2025 RELEASE UNDER E.O. 14176

- |   |  |  |   |
|---|--|--|---|
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| ③ | EXISTING WATER VALVE BOX               |  | PROPOSED SERVICE CONNECTION WITH REDUCE VALVE             |
| ④ | EXISTING WATER BUFFALO BOX             |  | PROPOSED SERVICE CONNECTION WITH REDUCER AND REDUCE VALVE |
| ⑤ | EXISTING WATER MAIN CAP OR PLUG        |  | PROPOSED WATER MAIN CAP OR PLUG                           |
| ⑥ | EXISTING WATER MAIN TAP                |  | PROPOSED TAP  |
| ⑦ | EXISTING FIRE HYDRANT                  |  | PROPOSED FIRE HYDRANT                                     |
| ⑧ | EXISTING WATER MAIN BLOODY             |  | PROPOSED TEE CONNECTION WITH NO REDUCERS                  |
| ⑨ | EXISTING WATER MAIN                    |  | PROPOSED TEE CONNECTION WITH TWO REDUCERS                 |
| ⑩ | EXISTING TAPPING CONNECTION            |  | PROPOSED TAPPING CONNECTION                               |
| ⑪ | EXISTING (FIRE CISTERN)                |  | PROPOSED SERVICE CONNECTION WITH GATE VALVE               |
| ⑫ | EXISTING WATER MAIN INSPECTION MANHOLE |  | PROPOSED WATER MAIN SIDE CONNECTION                       |
| ⑬ | EXISTING WATER MAIN PYLONSTER TAP      |  | RESTRAINED JOINT PIPE                                     |
| ⑭ | EXISTING STAND PIPE                    |  | PROPOSED WATER MAIN LEVEE                                 |
| ⑮ | EXISTING WATER REDUCE VALVE            |  | PROPOSED REDUCE VALVE                                     |
| ⑯ | EXISTING 1/4" WATER MAIN BEND          |  | PROPOSED 1/4" WATER MAIN BEND                             |
| ⑰ | EXISTING 1/2" WATER MAIN BEND          |  | PROPOSED 1/2" WATER MAIN BEND                             |
| ⑱ | EXISTING 3/4" WATER MAIN BEND          |  | PROPOSED 3/4" WATER MAIN BEND                             |
| ⑲ | EXISTING WATER MAIN TEE                |  | PROPOSED WATER MAIN TEE                                   |
| ⑳ | EXISTING WATER MAIN CROSS              |  | PROPOSED REDUCER  |
| ㉑ | EXISTING WATER MAIN REDUCER            |  |   |
| ㉒ | EXISTING WATER MAIN BUTTERFLY VALVE    |  |   |
| ㉓ | EXISTING FEEDER MAIN 45 DEGREE BEND    |  |   |



PROJECT LOCATION MAP

# PRIMINARY

# INDEX OF WATER MAIN DRAWINGS

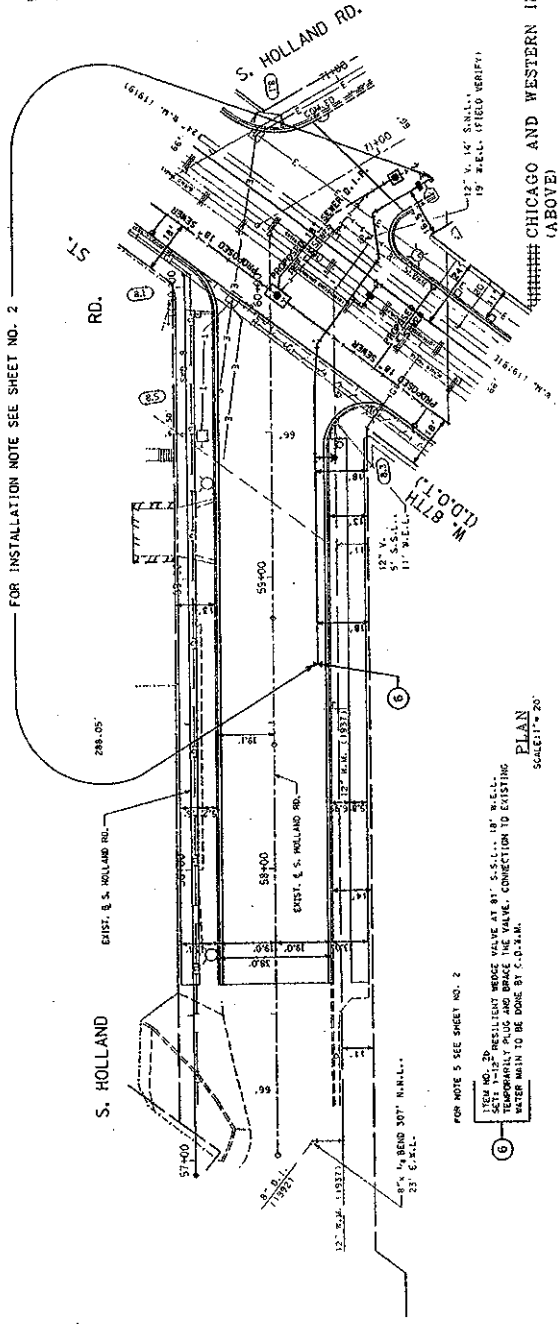
DRAWING TITLE	DRAWING No.
COVER SHEET, GENERAL NOTES AND LEGEND	1
WATER MAIN PLANS	2 TO 3
WATER MAIN INSTALLATION DETAILS	4
MISCELLANEOUS DETAILS	5

CHICAGO WATER PARTNERS	<div data-bbox="1357 1079 1470 1194"> </div> <div data-bbox="1491 1079 1549 1194"> <p>DATE _____</p> <p>TIME _____</p> <p>LOCATION OFFICE 1100-0000</p> </div>
DEPARTMENT OF WATER MANAGEMENT	<div data-bbox="1339 848 1397 1056"> <p>NAME _____</p> <p>ORGANIZATION _____</p> <p>ADDRESS _____</p> </div> <div data-bbox="1399 848 1458 1056"> <p>PHONE _____</p> <p>TELEPHONE _____</p> <p>TELEFAX _____</p> </div> <div data-bbox="1460 848 1518 1056"> <p>DATE OF VISIT _____</p> <p>TIME OF VISIT _____</p> <p>LOCATION _____</p> </div> <div data-bbox="1521 848 1566 1056"> <p>PROJECT NUMBER _____</p> <p>DATE _____</p> </div>



1. LOCATION OF ALL OVERLAP STRUCTURES ARE BEYOND FROM CENTERLINE TO THE CENTER OF STRUCTURE. THE CENTER OF STRUCTURE IS THE CENTER OF THE CATCH BASIN.
2. THE ELEVATIONS FOR CATCH BASINS ARE GIVEN AT THE CENTER FROM LINE.
3. CONNECTION SHALL CONNECT ALL LINE GRAINS TO PROPOSED SEWER.
4. INLET ELEVATIONS ARE CALCULATED (ENTER TO CENTER OF STRUCTURE, MAY LENGTH FOR STRUCTURE) AND THE CENTER OF STRUCTURE IS THE CENTER OF STRUCTURE LESS MANHOLE BASE.
5. ALL 18" DIA. STORM SEWER SHALL HAVE A MINIMUM SLOPE OF 1.00%.

FOR INSTALLATION NOTE SEE SHEET NO. 2

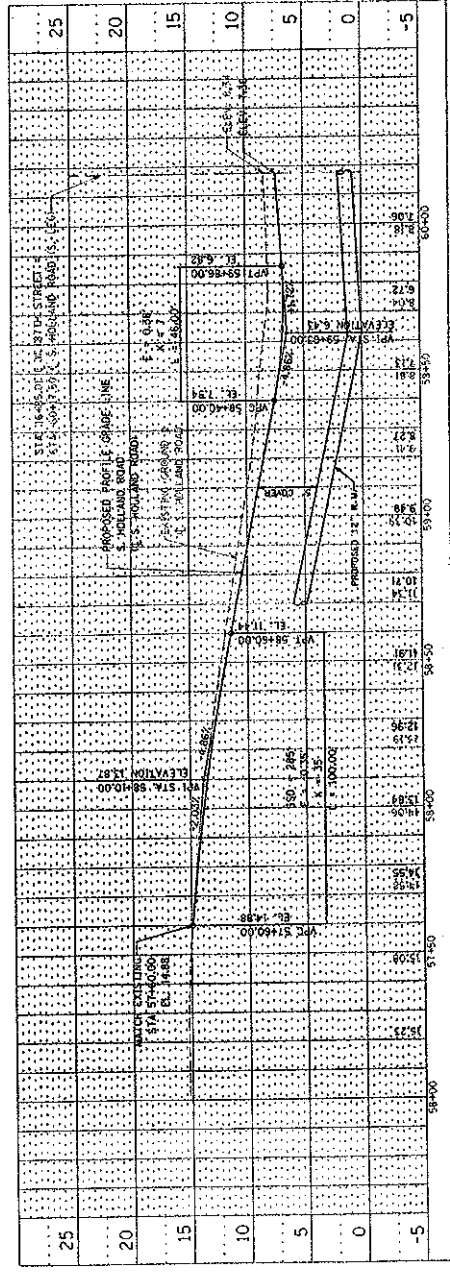


PLAN  
SCALE 1" = 20'

FOR NOTE 5 SEE SHEET NO. 2

ITEM NO. 2  
INSTALLATION WHERE VALVE IS AT 18" S.S.L. 18" W.P.L.  
TEMPORARILY PLUG AND BRACE THE VALVE. CONNECTION TO EXISTING  
WATER MAIN TO BE DONE BY C.O.M.

CHICAGO AND WESTERN INDIANA RR.  
(ABOVE)



PROFILE  
HORIZONTAL SCALE 1" = 20'  
VERTICAL SCALE 1" = 5'

PRELIMINARY

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT		S. HOLLAND ROAD W. 87TH STREET TO SOUTH OF W. 87TH STREET	
DESIGNER	BY	SEE SHEET NO. 2	CONSTR. PERMIT NO.
REVISION	DATE	8.1.11	PROJ. NO.
NO. 1	8.1.11	8.1.11	8.1.11
NO. 2	8.1.11	8.1.11	8.1.11
NO. 3	8.1.11	8.1.11	8.1.11
NO. 4	8.1.11	8.1.11	8.1.11
NO. 5	8.1.11	8.1.11	8.1.11
NO. 6	8.1.11	8.1.11	8.1.11
NO. 7	8.1.11	8.1.11	8.1.11
NO. 8	8.1.11	8.1.11	8.1.11
NO. 9	8.1.11	8.1.11	8.1.11
NO. 10	8.1.11	8.1.11	8.1.11
NO. 11	8.1.11	8.1.11	8.1.11
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